CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 21	Detroit, Mich.	Nov. 3
Nov. 22	Graham, Tex.	Nov. 10
Nov. 22	Monroe, Mich. Adv. Nov. 17.	Nov. 17
Dec. 1	Decatur, Tex.	Nov. 10
Dec. 1	Cleveland O.	Nov. 10
Dec. 5	Syracuse, N. Y.	Nov. 17
Dec. 19	Syracuse, N. Y. Adv. Nov. 17.	Nov. 17

SEWERS

Nov. 21	Lansing, Mich. Adv. Nov. 17.	Nov. 17.
Nov. 21	Montreal, Que.	Nov. 17
Nov. 22	Wallington, N. J.	Oct. 20
Nov. 22	West Palm Beach, Fla.	Nov. 17
Nov. 22	North Chicago, Ill.	Nov. 17
Nov. 28	Winona, Minn.	Nov. 17
Nov. 28	Benton, Ill.	Nov. 17
Nov. 29	Spokane, Wash.	Nov. 17
Nov. 29	Newark, N. J.	Oct. 27
Dec. 1	Salt Lake City, Utah	Nov. 17
Dec. 13	Harrison, N. J.	Nov. 17

BRIDGES

Nov. 21	Sheboygah, Wis.	Nov. 3
Nov. 22	Maryland Adv. Nov. 17.	Nov. 17
Nov. 22	Denton, Tex.	Nov. 17
Nov. 29	Shadesville, O.	Nov. 3
Nov. 29	Maryland Adv. Nov. 17.	Nov. 17
Nov. 29	North Carolina	Nov. 17
Dec. 2	West Virginia Adv. Nov. 17.	Nov. 17
Dec. 8	Morgantown, W. Va. Adv. Nov. 17.	Nov. 17
Dec. 10	Madison, W. Va. Adv. Nov. 17.	Nov. 17
Dec. 13	Phila., Pa. Adv. Nov. 3 and 17.	Nov. 17
Dec. 19	Phila., Pa.	Nov. 17

DAMS

Dec. 17	Phoenix, Ariz. Adv. Nov. 17.	Nov. 17

EXCAVATION AND DREDGING

Nov. 25	Clinton, Ky.	Nov. 17
Dec. 5	Yankton S. D.	Nov. 17
Jan. 7	Riverton, Wyo.	Nov. 10
Jan. 7	Duluth, Minn.	Oct. 13

STREETS AND ROADS

Nov. 21	Louisiana	Nov. 10
Nov. 21	Los Angeles, Cal.	Nov. 10
Nov. 21	Chicago, Ill.	Nov. 17
Nov. 22	Pennsylvania Adv. Nov. 3 to 17.	Nov. 3
Nov. 22	New York Adv. Nov. 10 and 17.	Nov. 10
Nov. 22	Massachusetts	Nov. 17
Nov. 22	Quincy, Ill.	Nov. 17
Nov. 22	Chariton, Ia.	Nov. 17
Nov. 22	Long Island City, N. Y.	Nov. 17
Nov. 22	Phila., Pa.	Nov. 17
Nov. 22	Denton, Tex.	Nov. 17
Nov. 23	Newberry S. C.	Nov. 17
Nov. 28	Cleveland, O.	Nov. 10
Nov. 28	California	Nov. 17
Nov. 29	Wilmington, N. C.	Nov. 10
Nov. 29	Alabama	Nov. 10
Nov. 29	Vermont Adv. Nov. 17.	Nov. 17
Nov. 29	Minnesota	Nov. 17
Nov. 30	Minnesota	Nov. 17
Dec. 1	Woodbury, N. J. Adv. Nov. 17.	Nov. 17
Dec. 2	Alabama	Nov. 10
Dec. 7	Salina, Kan.	Nov. 3
Dec. 13	Morton, Wash.	Nov. 17
Dec. 13	Atchinson, Kan.	Nov. 17
Dec. 16	Gastonia, N. C. Adv. Nov. 17.	Nov. 17
Dec. 19	Elmhurst, Ill.	Nov. 17
Dec. 20	Kansas City, Kan.	Nov. 17

INDUSTRIAL WORKS

Nov. 20	Pottstown, Pa.	Nov. 17
Nov. 22	St. Louis, Mo.	Nov. 17
Dec. 1	Charlotte, N. C.	Nov. 17
Dec. 1	Phila., Pa.	Nov. 17
Jan. 1	Cumberland, Wis.	Nov. 17

BUILDINGS

Nov. 21	Marysville, Pa.	Nov. 10
Nov. 21	Madison, Wis.	Nov. 10
Nov. 21	Detroit, Mich.	Nov. 17
Nov. 21	Grosse Point Park (Detroit P. O.), Mich.	Nov. 17
Nov. 22	Lawrence, Kan.	Nov. 3
Nov. 22	Mark Center, O.	Nov. 10
Nov. 22	Detroit, Mich.	Nov. 17
Nov. 22	St. Louis, Mo.	Nov. 17
Nov. 22	Peoria, Ill.	Nov. 17
Nov. 23	Toledo, O.	Nov. 3
Nov. 23	Wilson, N. C.	Nov. 3
Nov. 23	Salina, Kan.	Nov. 17
Nov. 26	Lakewood (Cleveland P. O.), O.	Nov. 17
Nov. 29	Dayton, O.	Nov. 17
Dec. 1	Detroit, Mich.	Nov. 17
Dec. 2	Elizabeth, N. J.	Nov. 17
Dec. 2	Dayton, O.	Nov. 17
Dec. 5	Palmyra, N. J.	Nov. 10
Dec. 6	Thiells, N. Y. Adv. Nov. 17.	Nov. 17
Dec. 7	Saginaw, Mich.	Nov. 17
Dec. 10	Gainesville, Fla.	Nov. 10
Dec. 12	Tallahassee, Fla.	Nov. 17
Dec. 14	Huron, S. D.	Nov. 17
Dec. 15	Dayton, O.	Nov. 17
Dec. 15	Lawrence, Mass.	Nov. 17
Dec. 20	Missoula, Mont.	Oct. 20
Dec. 20	Bozeman, Mont.	Oct. 20
Dec. 20	Butte, Mont.	Oct. 20
Jan. 1	Detroit, Mich.	Nov. 17
Jan. 15	Laramie, Wyo.	Sept. 29
Feb. 1	Williamsport, Pa.	Sept. 8
Feb. 1	Duluth, Minn.	Oct. 27

FEDERAL GOVERNMENT WORK

Nov. 21	Buildings — Walla Walla, Wash.	Oct. 27
Nov. 21	Dredging Plant—San Francisco, Cal.	Nov. 3
Nov. 22	Buildings—Rutland, Mass.	Oct. 27
Nov. 22	Monument—Vergennes, Vt. Adv. Oct. 27 to Nov. 17.	Oct. 27
Nov. 23	Tower—Keyport, Wash.	Nov. 3
Nov. 23	Tower—Eureka, Cal.	Nov. 3
Nov. 23	Scows—Pittsburgh, Pa. Adv. Oct. 27 to Nov. 17.	Nov. 3
Nov. 25	Mailing Vestibule, etc.—Findlay, O.	Nov. 17
Nov. 28	Dredging—Baltimore, Md. Adv. Nov. 3 to 17.	Nov. 3
Nov. 30	Dredging—Savannah, Ga. Adv. Nov. 3 to 17.	Nov. 3
Nov. 30	Mechanical Equipment — Walla Walla, Wash.	Nov. 17
Nov. 30	Water Supply System—Yorktown, Va. Adv. Nov. 17.	Nov. 17
Dec. 1	Riprap and Breakwater — Galveston, Tex.	Nov. 17
Dec. 1	Road—Denver Col.	Nov. 17
Dec. 2	Refrigerating Plant, etc. — Norfolk, Va.	Nov. 17
Dec. 7	Storehouse—Pearl Harbor, H. T.	Oct. 6
Dec. 28	Valve—Denver, Col. Adv. Nov. 17.	Nov. 17
Dec. 29	Structures—Savage, Mont. Adv. Nov. 17.	Nov. 17

MISCELLANEOUS

Nov. 21	Ornamental Lighting System —Oshkosh, Wis.	Nov. 17
Nov. 22	Snow Loader—Phila., Pa.	Nov. 17
Nov. 22	Caterpillar Tractor — Virginia, Minn.	Nov. 17
Nov. 23	Coal Trestle, etc.—Orient, O.	Nov. 17
Nov. 28	Dike—Revere, Mass.	Nov. 3
Nov. 28	Piles—Portland, Me.	Nov. 3
Nov. 29	Ornamental Lighting System —Long Branch, N. J. Adv. Nov. 17.	Nov. 17
Nov. 30	Stadium—Chicago, Ill.	Oct. 20
Nov. 30	Heating and Plumbing System —Rochester, N. Y.	Nov. 17
Dec. 1	Foundation—Chicago, Ill.	Nov. 10
Dec. 23	Oil Tanks and Boilers—New Orleans, La. Adv. Nov. 3 to 17.	Nov. 3

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Md., Brunswick — Making preliminary plans 3,000,000 gal. rein.-con. reservoir, 200 ft. x 200 ft. x 12 ft. deep, 12 ft. above level of ground. E. C. Crum, City Hall Bldg., Frederick, engr.

Fla., Ft. Lauderville—Voted $27,500 bonds for extending watermains, $10,000 paving Andrews Ave., and $2,500 for city's share paving North and South River Sts.

Fla., Inverness — Voted $45,000 bonds, mains and pumping equipment.

O., Germantown—Voted $150,000 bonds for waterworks, incl. pumping plant, laying mains, valves and house connections, etc.

Ill., Savanna—Making plans pumping station and extending mains. $30,000. A. Schnell, 915 North 2nd St., Clinton, Ia., engr.

Ill., Quincy—Making plans addition and extension to plant, additional mains, centrifugal pumps, relining reservoir and water basins, concrete. $200,000. W. R. Gelston, Quincy, engr. Noted March 24.

Mich., River Rouge — Rejected bids opened Nov. 1, for 339 ft., brick, concrete or segment block tunnel, 13 ft. in diam., two 71 ft. shafts, and mains under Rouge River. Work will be readvertised. Noted Nov. 10.

Kan., Baxter Springs—Takes bids about Jan. 1, improving waterworks plant, pipe line and extension. $50,000. J. B. Hodgdon, Baxter Springs, engr.

Kan., Larned—Making plans laying new mains, improving pumping station and reservoir. $90,000. W. B. Rollins & Co., Ry. Exch. Bldg., Kansas City, Mo., engrs.

Waterworks (Continued)

Minn., Henning—Making plans waterworks. $20,000. O. L. Scorheim, village recdr. Druar & Milinowski 500 Globe Bldg., St. Paul, engrs.

Wyo., Thermopolis—Election Nov. 29, $50,000 bonds extending distributing system, etc. W. O. P. Fullerton, Thermopolis, engr.

Mo., Caruthersville—Plans improvements to waterworks, incl. addition to pumping station, new mains and reservoir. $60,000. Engineer not selected.

Mo., Poplar Bluff—Making plans concrete settling basin, steam power or electric pumping station. $500,000. S. Pottinger, clk., E. C. Neckey, Poplar Bluff, engr.

Col., Greeley—Plans replacing 40 mi. conduit from here to Poudre Canon. Plans provide replacing it in installments; present plans include laying 1 or 2 mi. new conduit next spring. Total $1,000,000. C. D. Todd, mayor.

Col., Montrose—Plans prepared removing 3 mi. wooden pipe and replacing with iron pipe. Will take bids about May 1, excavating and back filling trench. Pipe will be laid by town forces. $35,000. M. Curtis, clk.

Col., Seibert—Water system, water to be pumped from wells by electrical equipment, to Beeson Mchy. Co., 308 Mutual Bldg., Kansas City, Mo., $50,000. Noted July 7.

Ont., Goderich—Having revised plans prepared for chlorination and filtration plant. $55,000. F. H. Darling, 47 Home Bank Bldg., Hamilton, engr. Noted Aug. 11.

Ont., Smiths Falls — Provincial Bd. Health, Toronto, ordered city to install filtration system in connection with waterworks plant. Engineer not selected.

BIDS DESIRED

N. Y., Syracuse—Dec. 5, by R. D. Rodney, clk. Bd. Contract & Supply, furnishing pipe, valves and laying 32,000 lin. ft. 36 in. conduit line known as Sect. 1 of 3rd Skaneateles-Syracuse Conduit. $540,000. H. C. Allen, city engr. This corrects report in Oct. 27 issue.

N. Y., Syracuse—Dec. 19, by Bd. Contract & Supply, City Hall, c.i. pipe and specials or steel pipe and specials, gate valves and laying 36 in. c.i. pipe. R. D. Roney, secy.; adv. this issue.

Mich, Monroe—Nov. 22, by F. M. Kressbach, city clk., concrete reservoir; adv. this issue.

Minn., Winona—Nov. 28, 385 ft. 18 in. c.i. mains, 33,651 ft. 8-18 in. vitr. clay pipe and laterals, 107 brick manholes, etc. $40,000. E. E. Chadwick, city engr. Noted Oct. 13.

BIDS RECEIVED

New York—Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chambers Sts., New York, opened bids Nov. 10, siphon pipes of Catskill Aqueduct, in towns of Olive and New Windsor, Contr. 209, from Rice & Ganey, Inc., 2786 Bainbridge Ave., New York, $999,000, Beaver Eng. & Contg. Co., 51 Chambers St., New York, $1,053,000; Spencer, White & Prentis, 47 West 42nd St., New York, $1,096,000; in towns of Phillipstown, Cortlandt, Yorktown and Mt. Pleasant, Contra. 210, from F. Snare, 8 West 40th St., New York, $2,978,000, Booth & Flinn, Ltd., Green and Tompkins Aves., Brooklyn, $3,302,000, McDonald, Porter & Rae, 17 West 42nd St., New York, $3,353,000; in towns of Mt. Pleasant, Greenburg and Yonkers, Contr. 211, from T. Crimmins Contg. Co., 126 East 59th St., New York, $2,275,000, F. Snare, 8 West 40th St., New York, $2,670,000, Smith, Hauser & MacIsaacs, 18 East 41st St., New York, $2,749,000. Noted Oct. 6.

N. Y., Perrysburg—G. C. Andrews, water comr., Municipal Bldg., Buffalo, opened bids Nov. 7, rein.-con. reservoir, here, from Crescent Concrete Co., Erie Co. Bank Bldg., Buffalo, $23,645; Empire Eng. Co., North Towanda, $29,734; J. W. Cowper Co., Fidelity Bldg., Buffalo, $29,750. Noted Oct 27.

O., Cleveland—Opened bids Nov. 4, concrete covered reservoir, from Stange-Welsh Constr. Co., Wash., D. C., $1,824,125; Thompson-Starrett Co., Perry-Payne Bldg., $1,932,059; Hunkin-Conkey Constr. Co., Century Bldg., $1,994,833. Noted Oct. 27.

O., Dayton—For 5,000,000 gal. suction reservoir at Keowee St. Pumping Sta., from G. M. Wiley Constr. Co., Tippecanoe City, $75,000; Frank-Hill Smith, Inc., Mutual Home Bldg., $76,234. Noted Oct. 27.

CONTRACTS AWARDED

Mass., Three Rivers—Town of Palmer, 6,500 lin.ft. c.i. main extensions, to Crowley Bros., Fitchburg, $15,000.

O., Marietta—Furnishing 9,500 ft. 12 in. c.i. and 700 ft. 12 in. steel mains, to J. B. Clow & Sons Co., 544 South Franklin St., Chicago, $22,257. Labor for laying furnished by city. Noted May 19.

Ill., Hampshire — For 4-6 in. c.i. mains and pumping station, to A. J. Kelly, Marengo, $25,000. Noted Sept. 15.

Ill., Rockford—Pumps, piping and covering for pumping station, to C. A. Hopper Co., 642 State St., Madison, Wis., $12,000.

Ill., Winnetka—See "Sewers."

Mich., Detroit—Steel roof for filtration plant, 2,400 tons steel, to Russell Wheel & Fdry. Co., Chene St. and Belt Line Ry., $158,500. Noted Nov. 10.

Mich., Detroit—Water Bd. 1,987 ft. 6 in. c.i. mains in Schoenhuer Rd., Tuller, Monica, Dickerson, Rangoor, Gray and Springle Aves., 1,898 ft. 8 in. c.i. mains in Welland, Prairie, Harper and Maxwell Aves. Pipe will be purchased and laid by day labor. T. A. Leisen, Water Works Park, engr.

Mich., Ferndale—For 725 tons 6 in. and 125 tons 8 in. c.i. pipe, to J. B. Clow & Sons, 534 South Franklin St., Chicago, Ill., $41.80 per ton, and Amer. Cast Iron Pipe Co., Acipco St., Birmingham, Ala., $41.80. Noted Nov. 10.

Mich., Ferndale—Laying 600 ton 6 in and 100 ton 8 in. c.i. mains, by day labor. $25,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr. Noted Oct. 6.

Minn., Cloquet—For mains, pumps and motor, power house, power line, etc., to Pasteret Constr. Co., 303 Sellwood Bldg., Duluth, $21,886. Noted Nov. 3.

Minn., Duluth — Great Northern Power Co., 211 Alworth Bldg., reservoir containing 111,000 sq.mi. ft. water, also 2 dams at White Face River, to serve as auxiliary to company's main dam on St. Louis River, 16 mi. northeast of here. Work will be done by day labor under supervision of company's engineering force, 15th Ave. W. and Superior Sts. Cement to be purchased.

Minn., Forest Lake—Well and concrete pump house to F. G. Bauer, Forest Lake, $7,321; one triplex and one centrifugal pump with motors, piping and accessories, to Sanitor Constr. Co., 3050 4th Ave., S., Minneapolis, $6,800. Noted Oct. 27.

Minn., Minneapolis—Will lay 2 mi. mains, by day abor. $40,000. H. N. Knott, clk.

Minn., New Prague—Making plans for waterworks. $30,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Tex., Edinburg—Equipment and complete installation of double stroke pump, pump head and motor for driving same, 60,000 gal. elevated steel tank, 4,300 ft. Class B 6 in. c. i. pipe, electrical system incl. engine and generator, switch board, transformers and about 22,000 ft. distribution line, etc., to Gulf Mchy. & Ship Supply Co., Galveston, $38,995.

Okla., Pawhuska — Pumping stations, reservoir and mains, to E. D. Price Constr. Co., Scarritt Bldg., Kansas City, Mo., $132,684. Noted Oct. 13.

Sewers

PROPOSED WORK

Mass., Andover—Plans sewers. $250,000. Engineer not announced.

Mass., Palmer—Plans sanitary sewers in various streets. Between $30,000 and $35,000. Engineer not selected.

R. I., Warwick—Plans sewerage system. $500,000. Engr. not chosen.

Fla., Inverness—Voted $30,000 bonds for sewerage system.

O., Mapleheight (Worthington, P. O.)—Plans sewerage system. $60,000. C. A. Courtney, Leader-News Bldg., Cleveland, engr.

Ill., Quincy—Making plans 10-36 in. sanitary sewers. $40,000. L. L. Harper, city engr.

Ill., Urbana—Plans 8-12 in. glazed tile sewers in Coler and Busey Aves. $27,000. A. M. Danely, City Hall, engr.

Wis., Plymouth—Making plans for one plant sewerage system. $36,880. J. Donohue Co., North 8th St., Sheboygan, engrs.

Wis., Westby—Plans sewerage system, incl. sanitary and storm sewers. $45,000 to $50,000. O. P. Flugstad, clk. Engineer not selected.

Ia., Davenport—Making plans and opens bids about Dec. 15, Duck Creek Sewer, $200,000. R. K. Earle, city engr.

Minn., Graceville—Making plans for 2 mi. sewerage system and disposal plant, 8-21 in. pipe. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Minn., Henning—Making plans sewerage system. $40,000. O. L. Scorheim, village recdr. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Mo., Osceola—Osage Resort Co. soon takes bids sewerage system for resort and Socosa Hotel. $50,000. G. Linn, mgr. Engineer not selected.

Ont., Bridgeburg—Plans sewers. $50,000.

BIDS DESIRED

N. J., Harrison—Dec. 13, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, southerly portion Sect. 28, Kearney-East Newark-Harrison Branch Intercepting Sewer, here, 3,110 lin.ft. earth excav. and refilling, in trench, for 36 in. concrete sewer, 650 lin.ft. earth excav. and refilling, in trench for 15 in. vitr. pipe sewer and 1,560 cu.yd. concrete masonry, etc. J. R. Van Duyne, ch. engr.

Fla., West Palm Beach—Nov. 22, clay sewer pipes. $80,000. K. Riddle, city mgr. Carr & McFadden, West Palm Beach, engrs. Noted Nov. 10.

Mich., Lansing—Nov. 21, at office J. A. Parsons, city clk., sewers; adv. this issue.

Ill., Benton—Nov. 28, for 20 mi. sanitary sewers, 110,156 ft. 6-30 in. vitr. pipe, 86,705 cu.yd. trenching, etc. $234,671. C. B. Mautz, Benton, engr. Noted March 10.

Ill., North Chicago—Nov. 22, 10-20 in. vitr. tile sewers. $30,000. O. M. Powell, City Hall, engr.

Utah, Salt Lake City—Dec. 1, by City Recorder, 32,104 ft. 8-15 in. vitr. tile sewers in 6th St. S. to 2nd St. N. and from 8th St., W. to Jordan River, seventy-seven 4-5 ft. manholes, 44 flush tanks. Alternate bids on 12 and 15 in. concrete pipe. $128,937. S. Q. Cannon, city engr. Noted Oct. 27.

Wash., Seattle—Receiving bids building 53rd Ave. S. W. trunk sewer, $133,973. A. H. Dimock, city engr.

Wash., Spokane—Nov. 29, for 1,330 ft. 30-60 in. sewers, 27,000 cu.yd. excav. $360,000. A. D. Butler, city engr. Noted Nov. 3.

Ore., Pendleton—Nov. 21, to vote on $125,000 bonds for septic tank. F. B. Hayes, city engr.

Que., Montreal—Nov. 21, by Dept. Pub. Wks., 280 yd. 2 x 3 brick sewer in Coronation St., 745 yd. 2 x 3 brick in Harvard Ave., 227 yd. 12 in. tile in Berri St., $37,523.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Nov. 14, sewer in Waldron St., etc., from F. Gallo, 940 Crescent St., Astoria, (a) $68,126, (b) $65,879; F. Spinella, 6102 18th Ave., Brooklyn, (a) $70,007, (b) $75,430 (informal), did not bid on all items; Lawton & Shea, 63 Wall St., New York, (b) $60,203; Peace Bros., 20 Main St., Flushing, (b) $64,981. Noted Nov. 10.

Mich., Detroit—For (1) Livernois Ave. Sewer, Puritan Ave. Arm, (2) Lateral 3515, (3) Lateral 3556, (4) Lateral 3557, (5) Lateral 3558, (6) Lateral 3560, (7) 800 ft. sewer in Water Work Park, from W. Porath, 1410 West Grand Blvd., (1) $20,833, (5) $14,913, C. M. Davis Co., 400 Penobscot Bldg., (1) $19,880, (7) $26,500; W. Blanck & Co., 827 Ford Bldg., (1) $19,807; M. Neshanian, Detroit, (2) $10,563; Detroit Contg. Co., 827 Ford Bldg., (2) $11,900, (3) $33,400, (4) $9,900; R. D. Baker, 1631 Elmhurst Ave., (2) $11,950, (3) $29,950, (6) $10,940; C. R. Lennane & Co., 2631 Woodward Ave., (3) $31,706, (7) $30,294; Oakwood Constr. Co., 165 Fort Blvd., (4) $9,997, (6) $11,025; Western Constr. Co., 1208 Ford Bldg., (4) $9,612, (6) $11,223;

Sewers (Continued)

Detroit Drainage Constr. Co., 400 Penobscot Bldg., (5) $14,273; A. Rossi, 3447 St. Aubin Ave., (5) $14,700; Gass Thurston Co., 13851 Van Dyke Ave., (7) $29,490.

Cal., Pasadena—Sewers in Mountain St. and other streets in Pasadena Heights, 29,031 ft. 8-20 in. vitr. pipe, from Mlagenovich & Gillespie, 1039½ West 36th St., Los Angeles, $50,000; Brkich & Nickevitch, 652 North Bway., Los Angeles, $51,096; Kruly & Milosvich, Los Angeles, $52,000.

CONTRACTS AWARDED

Pa., Phila.—For brick sewers in Ognotz Ave., Roosevelt Blvd., B, Basil, D, 4th, Lena, Ormes, 2nd and 6th Sts., to D. Silvestri, 5830 East Mermaid Lane, $30,299; 50th St., to O'Neill Co., 127 East Mermaid Lane, $12,947; 6th St., to C. Riccardi, 1226 South Juniper St., $2,311; Earl St., to DeSandro-Scelsci, 3906 North 5th St., $978; Lancaster Ave., to C. H. Parker 1018 Pine St., Darby, $2,874; Roy St., to A. DeSandro, 3906 North 5th St., $2,060; Old Front St., to F. T. Buckins, 4050 Kensington Ave., $2,680; Church Lane, to M. Mittia, 263 North Simpson St., $13,177; Tioga St., to E. Leva, 3851 North 10th St., $3,253; Abigal St., to C. D. Land, 28th and Cambria Sts. $672; Haines Ave., to D. MacMahon, P. O. Bldg., Germantown, $8,961; Baltimore Ave., to A. A. Pastori, 5903 Woodland Ave., $5,764; Comly and Walker Sts., to Curtiss Bros., Bank Bldg., Tacony (Phila. P. O.) $7,571; Cedar Park Ave., Ella, Lippincott and Ludlow Sts., to J. J. McHugh, 1617 Race St., $13,284; Day, 50th and Mercer Sts., to F. Borrelli, 6413 Callowhill St., $2,993; Kensington and Lancaster Aves., to J. Lombardi, Lincoln Bldg., $26,606; Pollard and 16th Sts., to R. Lombardi, Lincoln Bldg., $8,807; Cottage and Wakeling Sts., to J. Moss, 1652 Wakeling St., $6,416.

Ky., Frankfort—Sewers and storm water ditch in Holmes St., to Howerton Tiersway Co., Asheville, N. C., $61,000. Federal

O., Akron—E. A. Zeisloft, dir. Pub. Serv. sewer in Case Ave. and Newton St. Dist., to Cuyahoga Constr. Co., $33,784; Switzer Creek Dist. and Bittman and Hall Sts., to T. E. McShaffrey Co., Forge St., $111,800 and $23,794 respectively. Noted Nov. 10.

O., Sidney—For sanitary sewers to L. I. Stark & Co., Cuyahoga Falls, $89,932.

O., Toledo—C. A. Benedict, dir. Pub. Serv., sewerage pumping station, to A. Bentley & Sons, Belmont Ave. and 13th St., general construction, $96,476, foundation, $274,789. Noted March 3.

Mich., Detroit—To Boston & Errington Co., 108 Buhl Blk., Lateral 3521, $20,287, Lateral 3522, $11,900, Lateral 3538, $12,496; C. R. Lennane, 809 Union Trust Bldg., Lateral 3545, $7,000, Livernois Sewer, Puritan Ave. Arm, $20,960; Jeynes & Affeld, 1208 Ford Bldg., Sect. 6 Bates St. Sewer, $107,772; R. H. Hidney, Penobscot Bldg. Sect. 8, Six Mile Rd. Sewer, $96,991; Langley & Barton, 1604 Pennsylvania Ave., Livernois Ave. Sewer, Bourke Ave. Arm, $20,983; W. Porath, 1410 West Grand Blvd., Stimson Ave. Relief Sewer, $29,697; J. A. Mercier, 216 Hammond Bldg., East Wyoming Sewer, Grand River Arm, $32,165. Noted Nov. 3.

Ill., Springfield—For branch sewers, 10-36 in. pipe, to J. T. Walbridge Constr. Co., 6 North Michigan Ave., Chicago, $175,610.

Ill., Winnetka—Indian Hill Impvt. Dist., 10-16 in. sewers, 4-6 in. water mains and reservoir, in West Indian Hill, here, to Zadke & Donovan, Waukegan, $25,105. Noted Sept. 15.

Ia., Ottumwa—For 6-20 in. vitr. tile sewers in Hancock St., to J. W. Scott, Ottumwa, $25,301. Noted Aug. 18.

Minn., Minneapolis — Will lay main sewers in 31st Ave., N. E., 42nd Ave. N., 21st Ave. N. and Linden Hills, by day labor. $200,000. C. Illstrup, city sewer engr.

Okla., McAlester—Sanitary sewers and disposal plant to J. W. Rooks, Comanche and A Sts., $31,752. Noted Oct. 6.

Que., St. Lambert—For 4,725 ft. storm and 5,125 ft. sanitary sewers in Walnut, St. George, Edward, William, St. James and Henry Sts., to Leger & Tardiff, 60 Adam Sts., Montreal, $32,948; furnishing 2,340 ft. 30 in. rein.-con. pipe to Independent Concrete Pipe Co., Woodstock, Ont., $9032.

Bridges

PROPOSED WORK

Maine—State Hy. Dept., Augusta, plans steel and concrete bridge over stream between towns of Naples and Casco. $50,000. P. S. Sargent, engr.

Mass., Haverhill—Pub. Wks. Dept. plans steel and concrete bridge over Merrimac River. $400,000 to $500,000. Engineer not selected.

Del., Wilmington—New Castle Co. takes bids about Nov. 23, concrete bridge over Mill Creek. $100,000. C. Grubb, County Bldg., engr.

W. Va., Richwood — See "Streets and Roads."

O., Coke Otto (Hamilton P. O.)—Comrs. Butler Co. (Hamilton) open bids about Jan. 1, concrete arch bridge six 94 ft. spans over Miami River, on 3rd Ave. $361,537. F. M. Hammerle, Hamilton, Co. Surv.

Wis., Beloit—Plans 100 ft. rein.-con. or steel bridge over Turtle Creek, East Grand Ave. G. E. Heebink, City Hall, engr.

Missouri—State Hy. Dept., Jefferson City, plans 5 I-beam bridges, concrete abutments, on road from Dexter westward and eastward, Federal Aid Project 179, Stoddard Co. $25,068. A. Graham, state highway engr.

Okla., Bartlesville — Washington Co. voted $25,000 bonds for bridge over Caney River. N. M. Scott, clk.

BIDS DESIRED

Vermont—See Streets and Roads.

Pa., Phila.—Dec. 13, removing old w.i. truss spans and piers, and building new bridge over Schuylkill River, South St.; adv. this issue. Noted Aug. 4.

Pa., Phila.—Dec. 19, by Delaware River Bridge Comn., Widener Bldg., 2 pneumatic caisson piers, 70 x 143 ft., sunk to rock, in Delaware River, $1,500,000.

Maryland—Nov. 22, by State Rds. Comn., Baltimore, 54 ft. span rein.-con. arch bridge over Little Gunpowder Falls, between Baltimore and Harford Counties, Contr. H-29. J. N. Mackall, chn.; adv. this issue.

Maryland—Nov. 29, by State Rds. Comn., Baltimore, 1893 ft. rein.-con. bridge over Severn River, Anne Arundel Co. Contr. AB-10. J. M. Mackall, chn.; adv. this issue.

West Virginia—Dec. 2, by State Rd. Comn., Charleston, bridges 662, 683, 684, 674, 571 and 626, Ohio, Jackson, Roane, Mercer, Mingo and Calhoun Counties; adv. this issue.

W. Va., Madison—Dec. 10, at office Clerk Boone Co., steel superstructure. S. C. Miller, pres. co. court; adv. this issue.

W. Va., Morgantown—Dec. 8, at office Clerk. Monongalia Co., superstructure of steel bridge over Cheat River at Ices Ferry; adv. this issue.

North Carolina—Nov. 29, by State Hy. Comn., Raleigh, bridges and culverts on State Project 639, Iredell Co., 714 cu.yd. concrete, 87,930 lb. reinforcing, etc. $26,500. C. M. Upham, state highway engr.

S. C., Newberry—Nov. 23, by Comrs. Newberry Co., 263 ft. rein.-con. bridge over Bush River. $26,000. W. A. Sanders, Newberry, engr.

Tex., Denton—Nov. 22, by E. I. Key, judge, Denton Co., bridge over Elm Creek, on Highway 24, 100 ft. steel central span and two 70 ft. steel span approaches on 2 concrete piers and 2 concrete abutments. $27,500 incig. 10% for engineering and contingencies. T. E. Huffman, co. engr.

BIDS RECEIVED

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Nov. 10 steel viaduct with appurtenances in West 134th St., 12th Ave. to 200 ft. easterly, from P. T. Cox Contg. Co., 154 Nassau St., $60,787; Lupfer & Remick, 4210 Boston Rd., $64,867; N. A. Deiser, 296 Fenimore St., Brooklyn, $69,000. Noted Nov. 3.

Mich., Detroit—Wayne Co., building and installing operators house, enclosure walls, pre-cast concrete, etc., for bridge, 156 ft. span, double leaf bascule type, at West Jefferson Ave. crossing Rouge River, from Cooper Widenmann Constr. Co., 1430 Penobscot Bldg., $78,700; Walbridge Aldinger Co., 2356 Penobscot Bldg., $82,300; R. H. Hidey, Penobscot Bldg., $83,000; furnishing and installing electrical and mechanical equipment for operation of above bridge, from Fowler Electric Supply Co., 325 Huron St., Toledo, O., $34,809; Miller & York, Inc., 451 West Larned St., $44,000; Norwood-Noonan Co., 116 West Illinois Ave., Chicago, Ill., $44,988. Noted Sept. 22.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, 3 concrete highway bridges, over Farmington River, New Hartford, 34 ft., 38 ft. and 60 ft. spans, to A. D'Marco, 221 Berlin Ave., Southington, Conn., $25,000.

Mich., Detroit — Wayne Co., rein.-con. bridge with one 75 ft. and one 100 ft. arch spans 24 ft. over Huron River on Sumpter Rd., to J. S. Whitcomb, 525 Woodward Ave., $59,950. Noted Oct. 13.

Tex., La Grange—Fayette Co. rein.-con. bridges and culverts on State Highway 3 B, to L. Robertson, Schulenburg, $41,315.

Col., Las Animas—State Hy. Dept., Denver, 600 ft. 4 span steel bridge over Arkansas River, 20 ft., to Pueblo Bridge & Constr. Co., 410 East 8th St., Pueblo, $103,342. Noted Nov. 10.

California—State Hy. Comn., at div. office Los Angeles, 2 bridges across Huasna Creek and Alamo Creek to Security Bridge Co., 502 North 32nd St., Billings, Mont., $105,826; constructing pile and wire dikes and planting willow cuttings for protection of Stony Creek Bridge, Glenn Co., to Jenkins & Elton, Sacramento, $7,996; grading 4.3 mi. highway, between 4.3 mi. east of Clements and easterly boundary, San Joaquin Co., to Hard Bros., Ripon, $21,237.

Dams

PROPOSED WORK

Conn., Southington—Bd. Selectmen plans remodelling dam at Crystal Lake. $25,000. S. H. McKenzie, Southington, engr.

Minn., Fond du Lac—See "Industrial Works."

Mont., Great Falls — See "Industrial Works."

Okla., Hugo—Group of citizens having preliminary surveys made concrete dam, 300 ft. head, Mountain Fork River, to develop 70,000 hp., incl. tunnel work, pipe line and complete machinery. Jacobson Eng. Co., 533 Metropolitan Bank Bldg., Minneapolis, Minn., engrs.

BIDS DESIRED

Ariz., Phoenix—Dec. 17, by Salt River Valley Water Users Assn., for Cave Creek flood control dam and appurtenances, Maricopa Co. E. W. Michael, secy.; adv. this issue.

Railways

PROPOSED WORK

Minnesota—Red Lake Northern Constr. Co., Bemidji, plans 130 mi. logging road, northwest from Redby through Red Lake Indian reservation, through Grygla to Roseau and South Junction on Canadian border; 13 miles to be started during December, grading same will be done by day labor under supervision of J. J. Opsahl, pres. Other stretches to be arranged for later. $2,000,000.

Ontario—Grand Trunk Ry., McGill St., Montreal, Que., plans new line and sidings at Petrolea. $25,000. C. Forrester, London, supt.

Ontario — London & Port Stanley Ry., Philip St., London, plans improving electric railway, additional sidings at Port Stanley, additional power units and enlarging terminals. $100,000. J. E. Richards, c/o owners, engr.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette St., opened bids Nov. 9, 2 track subsurface railroad extending under East and West 42nd St., Bryant Park and West 41st St. from about westerly line of Vanderbilt Ave. to about westerly line of 8th Ave., known as Route 67, from Powers-Kennedy Contag. Co., 149 Bway., $3,839,000; Keystone State Constr. Co., $3,895,000; F. L. Cranford, Inc., 149 Remsen St., Brooklyn, $4,171,000. Noted Oct. 20.

Excavation and Dredging

PROPOSED WORK

Fla., St. Petersburg — Making plans dredging Bayboro Basin, 100,000 cu.yd. sand and rock excav. $50,000. R. E. Ludwig, St. Petersburg, engr.

BIDS DESIRED

Ky., Clinton — Nov. 25, by Drainage Comrs. Hickman Co., Bayou de Chien D. D., incl., 18½ mi. main canal, 3½ mi. laterals, 1,306,000 cu.yd. excav., also 8 wooden bridges, in Hickman, Graves and Fulton Counties. J. A. Porter, secy.

S. D., Yankton—Dec. 5, Yankton Co., redigging Clay Creek Ditch, 35,000 cu.yd. excav.; redigging and enlarging Volin Lateral Ditch 1, 73,000 cu.yd., extending same, 30,000 cu.yd. $25,000. A. A. Loft, Yankton, engr.

CONTRACTS AWARDED

Fla., West Palm Beach—Palm Beach Inlet Bd., c/o C. H. Ellis, chn., dredging 12 x 200 ft. channel, and depositing silt and rock on jetties, to Anderson Dredging Co., West Palm Beach, $185,000. Company takes $100,000 worth of dredging machinery in payment. Machinery to be bought by Anderson Dredging Co. and paid for by board.

Ia., Garner—Hancock Co., D. D. 7, 59,430 ft. 6-26 in. tile, manholes and intakes, material to Iowa Pipe & Tile Co., 4th and Hayes Sts., Des Moines, $32,000; labor, O. Lundeen, Bancroft, $19,400. Noted Oct. 27.

Ia., Spirit Lake—Dickinson Co., D. D. 67, 25,700 ft. 6-26 in. tile, labor to Carpenter Contr. Co., Sibley, $5,102, 6-12 in. tile to Williams & Pettijohn, Montgomery, $1,371, 14-26 in. tile, to Humboldt Gravel Co., Humboldt, $7,397; D. D. 69, 43,300 ft., 6-24 in. tile, labor to I. J. Hayden, Spirit Lake, $7,689, tile to Cement Products Co., Spencer, $15,101.

Ia., Waukon—Bd. Supervs. Allamakee Co., new channel in Upper Iowa D. D. 1, 414,238 cu.-yd. excav., to Northern Constr. Co., Elkhart, Ill., $44,000. Noted Oct. 6.

Minn., Warren—Marshall and Pennington Counties, Judicial Ditch 30, 298,965 cu.yd. excav., to Union Drainage Co., Crookston, at $0.11 per cu.yd.; 10 bridges to Minneapolis Bridge Co., 1035 Metropolitan Life Bldg., Minneapolis, $26,000. Noted Nov. 3.

Streets and Roads

PROPOSED WORK

Maine—State Hy. Dept., Augusta, plans ¾ mi. asphalt pavement, Gardiner. Cost between $25,000 and $30,000. P. S. Sargent, state highway engr.

N. J., Weehawken—Bd. Freeholders Hudson Co. (Jersey City), rejected bids paving ¾ mi. Hackensack Plank Rd. between Hudson Blvd. and Gregory Ave. $178,000. Work will be readvertised. Noted Sept. 15.

Va., Norfolk — Plans widening and concrete paving 3,000 ft. Monticello Ave. from 12th to Church Sts. $144,000. J. C. Rue, city engr.

W. Va., Richwood—Nov. 29 to vote on $26,000 bonds grading and repairing Riverside Dr. and Greenbrier Rd. also $12,500 bonds bridge across Cherry River, near Yew Pine Inn. A. L. Craig, mayor.

S. C., Sumpter—Sumpter Co. plans paving highways. $500,000. Lee, Pennell & Murry, Sumpter, engrs.

Florida—State Hy. Dept., Tallahassee, takes bids in January hard surfacing 15.4 mi. Sect. Rd. 1, east of Lake City to Baldwin, Duval, Nassau and Baker Counties, $460,000; 8.9 mi. from Columbia Co. line east on Rd. 1, Baker Co., $260,000; 12.8 mi. from Sisco to Volusia Co. line, excepting Crescent City Project 18, Putnam Co., $380,000; 5.7 mi. Rd. 1, Project 21, through McClenny, Baker Co., $170,000. J. A. Mortland, state bridge engr.

Fla., Ft. Lauderdale—See "Waterworks."

Fla., Madison — Madison Co., Dec. 14, to vote on $330,000 bonds, surfacing 50 mi. roads from Madison to all towns in county via state roads, sand clay, marl or crushed rock with binder, 9-16 ft.; $420,000 bonds surfacing 60 mi. road from Jefferson to Suwannee Counties via Madison, and from here to Georgia line, Taylor Co., brick, bituminous concrete, etc., 16 ft.

Fla., Okeechobee—Plans hard surfacing portions North Park South Park, Osceola, Hicpochee, Miamee, Kissimmee, Hancock, Petit, 2nd, 7th, 9th, 8th and 6th Sts., Parrott, Okeechobee, 10th and 5th Aves, W. W. Dunnicliff, clk.

Fla., Tarpon Springs—Will take bids early in December, brick paving portions Spring Blvd., Grosse and Ring Aves., Lime, Court, Park and Bay Sts., total length 6 mi. $180,000. H. McCreary, Tarpon Springs, engr.

Tenn., Hohenwahl—Lewis Co. will sell $50,000 bonds Nov. 21, surfacing 12 mi. Federal Aid Highway 27. A. J. Hamlett, clk.

O., Cleveland—Plans paving East 37th St. from Perkins Ave. to Dayton Court, East 37th St. from Croton Ave. to Trumbull St., East 34th St. from Payne to Hough Aves., East 55th St. from St. Clair Ave. to Bway., East 55th St. from Harvard to Brow Aves. $150,000. R. Hoffman, City Hall, engr.

Mich., Detroit—Making plans, grading and paving with sheet asphalt on 8 in. concrete base, Richton Ave. from 12th St. to Linwood Ave., 26 ft., $51,130, Gibson St. from Brainerd to Tuscola Sts., 18 ft., $3,135, Yosemite Ave. from Joy Rd. to Ravenswood Ave., 26 ft., $15,870, Stoepel Ave. from Bonaparte to Southfield Aves., 26 ft., $9,570, Gratiot Ave. from Connors Creek Rd. Northerly, 20 ft., $18,370, Rosemary Ave. from Gratiot to Roseberry Aves., 22 ft., $35,710, Beechwood Ave. from Tireman to Martindale Aves., 26 ft., $78,870.

Mich., Detroit—Plans paving various alleys. 16-20 ft., 1 course concrete. $33,825. C. W. Hubbell, city engr.

Mich., Detroit—Plans paving 18 alleys, 11-25 ft., with one course rein.-con. $40,830. C. W. Hubbell, city engr.

Ill., Decatur—Making plans paving 7th St., vitr. brick and asphalt on concrete, $28,000. W. Collins, Decatur, engr.

Ill., East St. Louis—Making plans paving State St., asphalt on concrete; Columbia Pl., vitr. brick on concrete, $33,000 and $28,500 respectively. E. F. Harper, City Hall, engr. Noted Oct. 13.

Ill., Jacksonville—Making plans paving streets, vitr. brick on concrete. $31,000. E. M. Henderson, City Hall, engr.

Ill., Morris—Plans paving Fulton St., $28,000. T. Minker, clk. Engineer not selected.

Ill., Zion City—Making plans paving various streets, vitr. brick and asphalt on concrete. $75,000. J. Craig, Administration Bldg., engr.

Wis., Manitowoc—Making plans paving, curbing, guttering and building sidewalks on 2 mi. Michigan Ave., Franklin, 11th and 9th Sts., 20 ft. Cost between $55,000 and $75,000. F. L. Alter, City Hall, engr.

Ia., Clarinda — Plans paving about 45 blocks. $125,000. G. Heflin, clk.

Ia., Davenport—Bd. Supervs. Scott Co., opens bids week of Nov. 28 (change of date), paving 6.5 mi. Davenport-Harrison St.-New Liberty Rd., $200,000, grading and paving 3.5 mi. Davenport-Gambrill Rd., $140,000. J. M. Malloy, co. engr. Noted Nov. 3.

Ia., Des Moines—Rejected bids paving Rollins Ave., vitr. brick on concrete. $30,000. K. C. Kastberg, city engr. Noted Oct. 6.

Ia., Hampton—Franklin Co. making plans grading 11.5 mi. Primary Rd. 10, 18 ft. $40,000. F. S. Currie, Hampton, engr.

Minn., Duluth—B. Farrell, comr. opens bids about Feb. 3, concrete paving on macadam, 8,138 ft. Woodland Ave. from Austin to Oxford Sts., $108,866; vitr. brick paving 5,150 ft. Superior St. from 8th Ave. west to 3rd Ave. E. $190,000. E. K. Coe, city engr.

Minn., Winona—Plans paving 10 blocks, loop east of Main St. to Franklin Ave. $50,000. H. E. Wolf, city engr.

Kan., Oberlin—Making plans surfacing various streets, vitr. brick on concrete. $30,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

South Dakota—State Hy. Comn., Pierre, making plans grading and gravel surfacing 8.67 mi. Federal Aid Project 85, 24 ft., Clark Co., $43,106; grading 14.09 mi. Federal Aid Project 84, 24 ft., Spink Co., $27,129. F. D. Hudgins, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans 8,976 mi. road from Dexter eastward and westward, Federal Aid Project 179, Stoddard Co., 11,503 cu.yd. earth excav., 37,432 cu.yd. borrow, 44,280 sq.yd. specification B gravel pavement and 294.3 cu.yd. concrete masonry, etc., $76,980; 9.022 mi. road from Clarkson northward and southward. Federal Aid Project 183, Sect. A, Dunklin Co., 26,409 cu.yd. earth excav., 85,205 sq.yd. specification. A gravel pavement and 78.1 cu.yd. concrete masonry, etc., $133,451; 8.75 mi. road from St. Charles northward to West Alton, State Aid Project 20.88, St. Charles Co., 12,395 cu.yd. earth excav., 4,233 cu.yd. borrow and 53.2 cu.yd. concrete masonry, etc., $17,515; 2.93 mi. road from Trenton north and south, State Aid Project 20.96, Grundy Co., 18,367 cu.yd. earth excav., etc., $13,680; 3.31 mi. road from Boonville eastward and westward, State Aid Project 20.97, Cooper Co., 24,959 cu.yd. earth excav. and 79.7 cu.yd. concrete masonry, etc., $14,962; 4.55 mi. road from Center View northward, State Aid Project 20.103, Johnson Co., 3,864 cu.yd. earth excav. and 13.8 cu.yd. concrete masonry, etc., $19,790; 2.841 mi. road from Grant City southward, State Aid Project 20.117, Worth Co., 47,080 cu.yd. earth excav., 97,304 cu.yd. per 100 ft. overhaul and 44.2 cu.yd. concrete masonry, etc., $29,091. A. Graham, state highway engr.

Missouri—State Hy. Dept, Jefferson City, plans 6.4 mi. road from California northward, State Aid Project 20.94 Moniteau Co., 25,406 cu.yd. earth and 4,300 cu.yd. rock excav. and 15.6 cu.yd. concrete masonry, etc. $25,743. A. Graham, state highway engr.

Tex., Austin—Travis Co. making plans grading and gravel surfacing 3.98 mi. Austin-Manor Rd., 16 ft. $40,000. O. Leonard, co. engr.

Tex., Blanco—Blanco Co. making plans grading and surfacing 7.34 mi. State Highway 46 from Dist. 1 line to Comal Co. line, 27,528 cu.yd. borrow, 57,227 cu.yd. roadway and 441 cu.yd. rock excav., 321.4 cu.yd. concrete, 395 lin.ft. 24-36 in. corrugated metal pipe. $48,842. W. C. Yeager, co. engr.

Tex., Blanco—Blanco Co. making plans grading and surfacing 5.6 mi. Highway 20A, 8,004 cu.yd. borrow, 31,253 cu.yd. roadway, 4,085 cu.yd. loose and 1,703 cu.yd. solid rock excav., 256.26 cu.yd. class A concrete, 31,423 lb. reinforcing steel. $27,052. W. C. Yeager, co. engr.

Tex., Cameron—Milam Co., Nov. 19 to vote on $53,000 bonds grading and gravel surfacing Road Dist. 30, 16 ft. A. F. Mitchell, co. engr.

Tex., Edinburg—Hidalgo Co. Nov. 22 to vote on $1,250,000 bonds, permanent paving, gravel and caliche surfacing state highways and lateral county roads. P. S. Devine, Pharr, co. engr.

Tex., McKinney—Collin Co. soon takes bids grading and surfacing with local stone and gravel 15.03 mi. Rd. Dist. 29, $45,000; 8.9 mi. Rd. Dist. 29, 13,934 cu. yd. local stone, 10,582 cu. yd. gravel, $37,500. F. W. Cawthon, co. engr.

Tex., Olton—Lamb Co. making plans grading and sand clay surfacing 33.7 mi. State Highway 28, 16 ft. $75,000. C. L. Hasie Eng. Co., Littlefield, co. engrs.

Tex., Vernon—Wilbarger Co. voted $600,000 bonds improving Highway 5 and other highways leading out of here, incl. 6 or 8 mi. concrete roads, balance to be surfaced with gravel, 16 ft. J. B. Nabors, co. engr. Noted Oct. 6.

Okla., Bartlesville — Washington Co. voted $675,000 bonds for highways. N. M. Scott, clk. Noted Aug. 25.

Colorado—State Hy. Dept., Denver, plans grading 50 mi. Denver to Grand Junction Highway through Idaho Springs, Silver Plume, Dillon, Redcliff and Glenwood Springs. $500,000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Utah., Provo—Plans concrete paving Dist. 13, 6 in. thick, 53 ft. $50,262. M. Jones, Provo, engr.

Ore., Portland—Plans improving Foster Rd. from 50th to 82nd Sts. $65,000. O. Laurgaard, City Hall, engr.

Cal., San Diego—Plans grading, paving, curbing and laying sidewalks on Sutter, Welborn, Torrence and Neale Sts., 54,571

Streets and Roads (Continued)

sq.ft. bituminous concrete, 3,915 lin.ft. curbing, 16,121 sq.ft. sidewalk, 8,964 cu.yd. earth excav. $25,000. F. A. Rhodes, city engr.

Ont., London—Plans paving Wellington Rd., Dundas St. E., and various side streets, asphalt on concrete. $400,000. Will take bids about Jan. 21, for asphalt, concrete and broken stone. H. A. Brazier, city engr.

BIDS DESIRED

Vermont—Nov. 29, at office of T. W. Dix, comr. highways, Montpelier, 2.3 mi. bituminous macadam road incl. 86 ft. span steel bridge, Highgate; 4 mi. gravel road, Cambridge; 7 mi. gravel, crushed gravel or stone road, Marshfield and Cabot; 64 ft. span steel bridge, Sherburne; adv. this issue.

Massachusetts—Nov. 22 by State Hy. Dept., Boston, 21,100 ft. gravel highway, 18 ft., Plainfield and Cummington. $85,000. A. W. Deane, 413 Statehouse, Boston, engr. Noted Oct. 13.

N. Y., Long Island City—Nov. 22, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repaving 8th Ave. from Graham to Jamaica Aves., 1st Ward, 1st Ave. from Bway. to Grand Ave., 1st Ward, sheet asphalt on concrete; curbing, laying sidewalks and paving Pierce Ave. from 2nd to 5th Aves., asphalt block on concrete; reconstructing outlet at Far Rockaway Disposal Plant, 5th Ward.

N. J., Woodbury—Dec. 1, by Bd. Freeholders Gloucester Co., improving first section of Mantua-Glassboro Rd., Mantua Twp., reinforced cement concrete 1 course pavement. W. C. Cattell, Wenonah, co. engr.; adv. this issue.

Pa., Phila.—Nov. 22, by F. H. Caven, dir. pub. wks., paving with asphalt, Montrose, 66th, 59th, Jefferson, Edgewood and 61st Sts., $58,000, paving with asphalt and repaving with granite block Kingessing Ave., $15,000, grading 67th Ave., Gratz and 49th Sts., $11,000, reconstructing 125 ft. steel bridge, concrete piers on 29th St. over Phila. & Reading R.R., $15,000, 1,532 sq.yd. vitr. brick, 11,837 sq.yd. asphalt, 2,397 cu. yd. concrete base, 1,000 sq.yd. granite block, 15,767 cu.yd. excav. F. C. Dunlap, City Hall, engr.

North Carolina—Nov. 29, by State Hy. Comn., Raleigh, grading and paving 10.6 mi. State Project 639, Iredell Co., 9 acres clearing, 61,500 cu.yd. excav., 11,800 cu.yd. rock excav., 1,942 ft. 12-24 in. concrete or corrugated metal pipe, 111,540 sq.yd. concrete or asphaltic paving, $370,000, 1.57 mi. State Project 655, Mecklenberg Co., 12,000 cu.yd. excav., 16,500 sq.yd. concrete or asphaltic paving, etc., $60,000, 10.85 mi. State Project 622, Catawba Co., borrow, 1,502 ft. 12-24 in. concrete or terra cotta pipe, 114,630 sq.yd. concrete or asphaltic paving, $363,000; grading, bridging and paving 8.84 mi. State Project 653, Mecklenburg Co., 41,300 cu.yd. excav., 1,138 ft. 12-24 in. concrete or corrugated metal pipe, 93,210 sq.yd. concrete or asphaltic paving, 476 cu.yd. concrete, 44,760 lb. reinforcing, etc., $315,000, 9.87 mi. State Project 456, Orange Co., 18 acres clearing, 40,800 cu.yd. excav., 1,500 cu.yd. rock excav., 1,666 ft. 12-30 in. concrete or c.i. pipe, 601 cu.yd. concrete, 70,970 lb. reinforcing, etc., 8.5 mi. State Project 632, Gaston Co., 38,600 cu.yd. excav., 3,900 cu.yd. rock excav., 1,952 ft. 15-30 in. concrete or metal pipe, 89,800 sq.yd. concrete or asphaltic paving, 5,080 lb. reinforcing, etc., $295,000. C. M. Upham, state highway engr. Noted July 14 and Sept. 1.

N. C., Gastonia—Dec. 6, by Comrs. Gaston Co., hard surfacing 5½ mi. highway, 12 ft. D. L. Struthers, co. engr.; adv. this issue.

N. C., Wilmington—Nov. 29, 80,000 sq.yd. paving. Carolina Eng. Co., 412 Southern Bldg., engrs.

Ill., Chicago—Nov. 21, Comrs. Cook Co., at office H. A. Zender, supt. pub. serv. paving 14,128 ft. Sect. 77-15D Route 6-B, Elk Grove Twp., bituminous concrete with binder course, $98,509, without, $92,415, Portland cement concrete, $75,043; 7,894 ft., Sect. 72-15D, Route 20, Palos Twp., bituminous concrete with binder course, $55,783, without, $52,337, Portland cement concrete, $42,499; 31,694 ft. Sect. 74-15D, Route 24 and 26, Bremen Twp., bituminous concrete with binder course, $233,391, without, $218,954, Portland cement concrete, $177,794; 15,202 ft. Sect. 79-15D, Route 2B, New Trier and Northfield Twps., bituminous concrete with binder course, $106,283, without $99,708, Portland cement concrete, $80,965.

Ill., Elmhurst—Dec. 19, paving various streets, 60,000 sq.yd. bituminous macadam. $250,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Quincy—Nov. 22, Adams Co., paving 14.5 mi. Quincy-Paloma Rd., 20 ft., monolithic concrete. $500,000. L. L. Boyer, Court House, engr.

Ia., Chariton — Nov. 22, Auditor Lucas Co., grading 5 mi. Primary Rd. Project 63, northeast from here, 92,486 cu.yd. excav. $28,000. C. W. Eby, Chariton, engr.

Minnesota—Nov. 29, by State Hy. Dept., St. Paul, gravel surfacing 37,440 cu.yd. on State Project 28-26, Federal Aid Project 240, $100,000, 6,400 cu.yd. State Project 28-24, Federal Aid Project 200, $15,000, both in Big Stone Co.; 7,700 cu.yd. State Project 5-21, Federal Aid Project 220, Isanti Co., $12,750, 14,328 cu.yd. State Project 10-41, Federal Aid Project 208, Wright and Meeker Counties, $18,250, 18,080 cu.yd. State Projects 7-21 and 60-21, Federal Aid Project 216, Blue Earth Co., $35,000 and $17,500 respectively, 16,000 cu.yd. State Project 18-21, Federal Aid Project 217, Sherburne Co., $23,500, 6,400 cu.yd. State Project 18-22, Federal Aid Project 231, Crow Wing Co., $12,000, 19,529 cu.yd. State Project 10-23, Federal Aid Project 210, Meeker Co., $27,250, 14,000 cu.yd. State Project 54-21, Federal Aid Project 108, Grant Co., $18,000, 16,000 cu.yd. State Project 6-26, Federal Aid Project 161-A, Wilkin Co., $20,250, 10,600 cu.yd. State Project 6-27, Federal Aid Project 236, Wilkin Co., $32,500, 16,500 cu. yd. State Project 9-22, Federal Aid Project 228, Martin Co., $41,750, 13,000 cu.yd. State Project 35-32, Federal Aid Project 120, Aitkin Co., $24,000, 12,400 cu.yd. State Project 35-22, Federal Aid Project 238, Itasca Co., $22,500, 19,000 cu.yd. State Project 8-24, Federal Aid Project 237, Itasca Co., $50,750, 21,700 cu.yd. State Project 8-25, Federal Aid Project 97, Beltrami Co., $40,000, 19,000 cu.yd. State Project 8-25, Federal Aid Project 235, Hubbard Co., $40,000, 14,000 cu.yd. State Project 10-22, Federal Aid Project 211, Swift, Pope and Stevens Counties, $30,000, 10,000 cu.yd. State Project 21-22, Federal Aid Project 119-A, LeSueur Co., $17,500, 8,000 cu.yd. State Project 21,23, Federal Aid Project 241, LeSueur Co., $14,500. C. M. Babcock, state highway engr.

Minnesota—Nov. 30, by State Hy. Dept., St. Paul, concrete paving 267,000 sq.yd. on State Project 1-21, Federal Aid Project 212, Dakota Co., $800,000; gravel surfacing 24,000 sq.yd. State Project 6-21, Federal Aid Project 146, Lincoln Co., $40,000, 27,000 sq.yd. State Project 68-21, Federal Aid Project 214, Lyon Co., $55,000, 24,000 sq.yd. State Project 8-23, Federal Aid Project 155, Polk Co., $60,000, 22,000 sq.yd. State Project 30-22, Federal Aid Project 117, Mahnomen Co., $75,000, 12,000 sq.yd. State Project 3-24, Federal Aid Project 218, Wabasha Co., $30,000. C. M. Babcock, state highway engr.

Minnesota—Nov. 30, by State Hy. Comn., St. Paul, gravel surfacing 23,600 cu.yd. State Project 28-21, Federal Aid Project 209, and State Project 28-28, Federal Aid Project 205, between Salk Center and Swanville, Stearns and Todd Counties, $45,000; 12,800 cu.yd. State Project 9-23, Sect. B, Federal Aid Project 224, between Jackson and Worthington, Jackson Co., $25,000; 7,800 cu.yd. State Project 2-25, Federal Aid Project 242, from Pillager to east county line, Cass Co., $16,000. C. M. Babcock, state highway engr.

Kan., Atchinson—Dec. 13, by Bd. Comrs. Atchinson Co., grading and bridging Sects. A and B, Federal Aid Project 100, 28 ft. $60,000. R. Kerr, co. engr.

Kan., Kansas City—Dec. 20, by Comrs. Wyandotte Co., grading 1.56 mi. Parellel Rd., Federal Aid Project 98, 18 ft. $75,000. O. K. Williamson, 1001 Republic Bldg., engr.

Tex., Denton—Nov. 22, by E. I. Key, judge, Denton Co., paving 8.5 mi. Denton-Sherman Rd., 16 ft., State Highway 24. $40,000 incl. 10% for engineering and contingencies. Former bids rejected. T. E. Huffman, co. engr. Noted Oct. 27.

Tex., Houston—Receiving bids paving 21,000 sq.yd. Polk Ave. from east line main to west line Hutchins, 2 in. bitulithic, standard brick, 2 in. Uvalde rock or concrete on 6 in. concrete, incl. 7,000 lin.ft. standard combination curb and gutter, 15,000 cu.yd. earth excav., etc. $100,000. J. C. McVea, City Hall, engr.

Wash., Morton—Dec. 13, hardsurfacing all business streets. Bids to be called on cash and acceptance of local improvement bonds. C. P. Hicks, Centralia, engr.

California—Nov. 28, by State Hy. Comn., Sacramento, paving 8.4 mi. highway between Naples and Canadad Las Llagas, Santa Barbara Co., concrete shoulders, asphalt surface; 2.3 mi. highway, Fresno Co., asphaltic concrete. A. B. Fletcher, state highway engr.

BIDS RECEIVED

N. Y., Long Island—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Nov. 7, grading (1) Van Pelt St., repaving (2) Lawrence St., (3) Rockaway Blvd., etc., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, (1) $4,475; U. S. Trucking Corp., 393 Canal St., New York, (1) $8,004; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (2) $32,774; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $38,137, (3) $5,960; Cleveland Trinidad Paving Co., Flushing, (2) $48,763, (3) $7,691; Sicilian Asphalt Paving Co., 41 Park Row, New York, (3) $8,820. Noted Nov. 3.

Pa., Phila.—Grading and paving (1) York Rd., grading (2) Chelwynde Ave., (3) 20th, 66th and 67th Sts., paving (4) Weymouth St., (5) Ashdale St., repaving (6) 2nd St., from Union Paving Co., 37th and Spruce Sts., (1) $37,606, (4) $3,392, (5) $3,649, (6) $7,635; Barber Asphalt Paving Co., Land Title Bldg., (1) $39,543, (4) $3,598, (5) $3,873; Connor & Leigh, Phila., (1) $37,975; J. G. Meade Contr. Co., Phila., (2) $3,956; J. J. McHugh, 1617 Race St., (2) $4,231; R. B. Wenner, 3106 Midvale Ave., (2) $4,068, (3) $6,264; F. Mark Constr. Co., Commercial Trust Bldg., (3) $5,098; T. Connor, 3329 North 5th St., (3) $6,174; Eastern Paving Co., Colonial Trust Bldg., (4) $3,568, (5) $3,960; Acchione & Canuso, 763 South 12th St., (6) $8,542; United Paving Co., Real Estate Trust Bldg., (6) $7,966.

North Carolina—State Hy. Comn., Raleigh, grading, asphaltic or concrete paving (1) 5.12 mi. State Project 427, Granville Co., (2) 2.3 mi. State Project 410, Durham Co., (3) 6.64 mi. State Project 482, Wake Co., (4a) grading and surfacing, (4b) rein.-con. bridges and culverts on 3.5 mi. State Project 455, Orange Co., (5a) clearing, grading, concrete or asphaltic paving, (5b) rein.-con. bridges and culverts on 7.4 mi. State Project 481, Wake Co., from R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (1) $145,207; Ackerman Constr. Co., Greensboro, (1) $147,354, (2) $78,594, (3) $186,659; J. R. Ford, 1223 Floyd St., Lynchburg, Va., (1) $150,054; C. D. Rigsbee, Durham, (2) $78,732; Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., (2) $80 963; R. M. Hudson Co., Salisbury, (3) $172,244, (5a) $224,051, (5b) $9,017; Union Paving Co., 30th and Locust Sts., Phila., Pa., (3) $177,198, (5a) $220,269; J. F. Mulligan Constr. Co., North Wilkesboro, (4a) $17,488; P. R. Ashby, Tucker Bldg., Raleigh, (4b) $24,708, (5b) $8,742; J. P. Dicus, Burgaw, (4a) $17,619, (4b) $25,463; W. M. Shuck, Liberty, (4a) $18 188; Gibson Constr. Co., Holston Bank Bldg., Knoxville, Tenn., (4b) $25,536; Elliott, Sholes & Co., Durham, (5a) $229,631, (5b) $9,561. Noted Oct. 27.

North Carolina—State Hy. Comn., Raleigh, (1a) grading and paving, concrete or some asphaltic material, (1b) rein.-con. bridges and culverts on 10 mi. State Project 616, Wayne Co., (2a) clearing, grading and concrete or asphaltic paving, (2b) rein.-con. bridges and culverts on 15 mi. State Project 536 B, Jones Co., from Union Paving Co., 30th and Locusts Sts., Phila., Pa., (1a) $268,358, (1b) $15,247, (2a) $292,635, (2b) $16,493; West Constr. Co., Kinston, (1a) $304,550, (1b) $17,521; Elliott, Sholes & Co., Durham, (1b) $17,290; W. P. McDonald Constr. Co., 618 Union St., Brooklyn, N. Y., (1a) $324,167; P. R. Ashby, Tucker Bldg., Raleigh, (2a) $293,601; Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., (2b) $20,572; R. M. Hudson Co., Salisbury, (2a) $304,022; Southern Dray Co., Asheville, (2b) $21,133. Noted Oct. 20.

O., Cleveland Heights (Warrensville P. O.)—Paving Elbow Rd., 2,800 cu.yd. asphalt and 3,700 cu.yd. earth excav., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $26,769, Spence Bros., Lorain Ave., Cleveland, $26,850; grading and laying sidewalks on Silsby Rd. from Taylor to Warrensville Center Rds., 18,000 cu.yd. earth excav. and 52,000 sq.ft. stone or concrete sidewalk from Strohman & Kidder, c/o F. A. Pease Engr. Co., Marshall Bldg., Cleveland, $24,296, Ohio Quarries Co., Citizens Bldg., Cleveland, $25,205.

Tex., Bay City—Matagorda Co. ditching and surfacing 7.23 mi. State Highway 12A, from J. B. Burress, 802 Oxford St., Houston, $52,590; Bellingsley & Ryman, Mata-

Streets and Roads (Continued)

gorda, $54,120; Haden & Austin, 727 Kress Bldg., Houston, $54,891. Noted Oct. 27.

Utah—State Hy. Comn., Salt Lake City, grading 12.56 mi. Marysvalle Rd., Federal Aid Project 19-A, 24 ft., and gravel surfacing 4 mi., 18 ft., from A. C. Young, Richfield, $64,001; Jensen & Wood, Salt Lake City, $64,837; Beane Bros., Richfield, $64,888.

Cal., Torrance—Grading, oiling, curbing and laying sidewalks on 7 streets, 14,142 lin.ft. concrete curbing, 27,973 sq.ft. cement sidewalk, 21,000 cu.yd. grading, 207,000 sq.ft. graveling and oiling, 86,400 sq.ft. 3 in. macadam, from J. D. Beckford, 718 San Fernando Bldg., Los Angeles, $54,431.

CONTRACTS AWARDED

North Carolina — State Hy. Comn., Raleigh, grading and paving 6.81 mi. State Project 599, Greene Co., topeka on 5 in. concrete, to West Constr. Co., Kinston, $196,440, rein.-con. bridges and culverts on above to Union Paving Co., 30th and Locust Sts.; Phila., Pa., $20,000; grading, paving, rein.-con. bridges and culverts on 9.93 mi. State Project 578, Craven Co., topeka on 5 in. concrete, topeka paving 12 mi. State Project 694, Pamlico Co., to Union Paving Co., 30th and Locust Sts., Phila., Pa., $262,600 and $263,000 respectively. Noted Oct. 20.

North Carolina — State Hy. Comn., Raleigh, clearing, grading and topsoiling 6.91 mi. State Project 558, Tyrrell Co., to C. W. Lacy, Wilmington, $43,682; grading and paving, penetration macadam 5.67 mi. State Project 601, Halifax Co., to O. F. Leighton, Inc., Richmond, Va., $103,230, rein.-con. bridges and culverts on above to A. C. House, Weldon, $10,167. Noted Nov. 3.

Fla., Daytona—For 52,000 sq.yd. sheet asphalt on concrete, 28,000 sq.yd. sheet asphalt or asphaltic concrete on concrete, 43,000 sq.yd. bituminous seal coat and stone chip cover on 6 in. coquina macadam base, to Atlantic Bitulithic Co., Va. Ry. and Power Bldg., Richmond, Va., $417,000.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 5.36 mi. Selma-Mobile Rd., Dixons Mill to Kimbrough, Wilcox Co., to Finnell Co., Tuscaloosa, 29,048 cu.yd. excav., at $0.35 per cu.yd., 2,580 cu.yd. gravel 1 mi. haul, $2.25, 11,000 cu.yd. gravel ½ mi. additional haul, $0.15, 14,804 lb. reinforcing, $.05, total $52,093. Noted Nov. 3.

O., Cincinnati—Rapid Transit Comrs. excavating, concrete paving, laying sewers and cement sidewalks, on Sect. 5, Rapid Transit Subway, to Hickey Bros., Plum and Ann Sts., $153,965. Noted Oct. 6.

O., Cleveland—Paving East 88th St., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $12,455; Riverside Ave., brick, and East 64th St., to Rieley Bros., The Arcade, $10,078 and $8,374 respectively. Noted Oct. 27.

O., Corning—Paving West Main, Adams and Washington Sts., brick, to Adams Bros. Contg. Co., Muskingum Ave., Zanesville, $34,292.

O., Dayton—Paving Holly Ave., brick on concrete, to Finke Eng. Co., 15 South St. Clair St., $26,696. Noted Sept. 2.

Mich., Detroit—Grading and shaping 2 mi. Elizabeth Park Drive, to J. M. Hughes, 203 Shelby Blk., $25,000. Noted Oct. 20.

Ill., Joliet—Will Co. paving roads, bituminous macadam on concrete, to W. Shenk, Wilmington, $40,000.

Ia., Adel—Dallas Co. grading and gravel surfacing 6.95 mi. Primary Rd. 194, 18 ft., to W. V. Flynn, Grimes, $30,671.

Ia., Sheldon — Grading and paving 7 blocks, concrete, to Dearborn Constr. Co., Waterloo Savings Bank Bldg., Waterloo, $3.17 per sq.yd. Noted Oct. 27.

Ia., Storm Lake—Buena Vista Co., grading and gravel surfacing 4.75 mi. roads, to Crissey Bros., Storm Lake, $25,043.

Minnesota—State Hy. Comn., St. Paul, gravel surfacing 9 mi. Trunk Highway 6, between Crookston and Beltrami, Polk Co., $28,000; 24 mi. Trunk Highway 11, from International Falls through Ray, Koochiching Co. $15,000; 10 mi. Trunk Highway 35, between Hill City and Esquagamah Lake, Aitkin and Itasca Counties, $10,200, by day labor. C. M. Babcock, state highway engr.

Kan., Leavenworth—Leavenworth Co. grading ½ mi. various streets in Tonganoxie to F. M. Clark, Savannah, Mo., $22,715; 2 mi. Fort to Fort Highway, Project 94, Sect. A to J. Staton, Leavenworth, $100,151; bridge Project 94 Sect. B, to Rohr & Tearney, Leavenworth, $10,958. Noted Sept. 8.

South Dakota—State Hy. Comn., Pierre, gravel surfacing 12.942 mi. roads, 24 ft., Bon Homme Co., to Bd. Comrs., Bon Homme Co., Tyndall, $27,943; 17.75 mi. Federal Aid Project 58, 24 ft., Codington Co., to H. L. Bone & Son, Royal, Ia., $42,234; 13.79 mi. roads, Kingsbury Co., 9.1 mi. Brule Co., 14.76 mi. Hamlin Co., and 11,385 mi. Brookings Co., all 24 ft., to Miller Constr. Co., Sioux City, Ia., $31,434, $27,823, $27,150 and $27,203 respectively.

Missouri—J. D. Mohler, special highway engr., St. Joseph, 7.44 mi. Sexton-Easton Rd., Buckanan Co., to W. M. Spencer, Independence, $33,377. Noted Oct. 27.

Missouri—State Hy. Dept., Jefferson City, grading 17½ mi. Blue Star Dist., 24 ft. Barton Co., to Allhands & Davis, Main St., Joplin, $29,680. Noted Oct. 27.

From B. H. Faber, County Engineer, Colorado County, Tex., our Construction News correspondent

Use Your Head

A Woodpecker pecks
Out a great many specks
Of sawdust
When building a hut;

He works like a nigger
To make the hole bigger;
He's sore if
His cutter won't cut.

He don't bother with plans
Of cheap artisans,
But there's one thing
Can rightly be said:

The whole excavation
Has this explanation:
He makes it
By
Using
His
Head

Watch these pages

Missouri—State Hy. Dept., Jefferson City, grading and paving Federal Aid Project 20.1, St. Genevieve Co., to S. P. Reynolds, Caruthersville, $25,042. Noted Oct. 27, under "St. Genevieve, Mo."

Missouri—State Hy. Dept., Jefferson City, grading 2.68 mi. Federal Aid. Project 181, 24 ft., Osage Co., to Newton Constr. Co., Jefferson City, $25,290, 180 ft. bridge on above project to Genl. Constr. Co., St. Louis, $16,400; 2.88 mi. Federal Aid Project 228, 24 ft., Osage Co., to F. A. Stoner, Chamois, $6,033.

Tex., La Grange—Fayette Co. grading and gravel surfacing 7.29 mi. State Highway 3B, to M. M. Craven, Fredericksburg, $39,472 incl. 10% for engineering and contingencies; gravel surfacing 11.27 mi. Highway 3, Federal Aid Project 37 to Fayette Co., c/o J. P. Ehlinger, co. judge, $81,641. Noted Oct. 20.

Oklahoma—State Hy. Dept., Oklahoma City, grading, paving and bridging Federal Aid Project 33, Choctaw Co., 6.13 mi. Sect. E1 and 2, to Cobb & Jenkins, Dallas, Texas, $51,361; 10.92 mi. Sect. D and 7.75 mi. Sect. B1 and 2, to J. W. Rooks, Commanche and A Sts., McAlester, $89,263 and $63,465 respectively; 7.74 mi. Sect. B3 and 4 to A. A. Davis & Co., Oklahoma City, $63,990; 4.32 mi. Sect. A-2 to H. B. Garrett, 1120 West 14th St., Oklahoma City, $57,585; 3 concrete bridges to Allen & Harrison, Oklahoma City, $12,425; 80 ft. span to St. Louis Structural Steel Co., Syndicate Trust Bldg., St. Louis, Mo., $4,422.

New Mexico—State Hy. Comn., Santa Fe, 14.242 mi. Roswell-Kenna Rd., Federal Aid Project 57, Chaves Co., to W. T. McClure, Magdalena, $44,350 plus 10 per cent for engineering and contingencies; 13.024 mi. Clovis-Grady Rd., Federal Aid Project 63, Curry Co., J. V. Stryker Constr. Co., East Las Vegas, $87,446 plus 10 per cent for engineering and contingencies. Noted Oct 20.

Utah—State Hy. Com., Salt Lake City, gravel surfacing 6.7 mi. Duchesne-Vernal Rd., Federal Aid Project 10-A, Uinta Co., to Wasatch Grading Co., Provo, $41,509.

Wash., Seattle—Paving 15th Ave., N. W., 74,000 sq-yd. 6-7 in. concrete, 20,600 cu. yd. rock excav., to J. L. Smith, Pioneer Bldg., $188,934. Noted Nov. 10.

California—See "Bridges."

California—State Hy. Comn., at div. office, San Francisco, concrete paving 7.4 mi. highway between Las Flores Canon and Santa Monica, Los Angeles Co., to Lee Moor Constr. Co., 302 Two Republics Bldg., El Paso, Tex., 210,000 cu.yd. excav., at $0.50, 14,810 cu.yd. concrete pavement, $6, 480 cu.yd. concrete, culverts and monuments, $15, etc., total $206,739. Noted Oct. 20.

Cal., Bakerfield—Bd. Supervs. Kern Co. paving 5.7 mi. Reward Rd., Impot. Dist. 15, 31,900 cu.yd. earth excav., 518,850 sq.ft. 8 in. concrete, 56,836 sq.ft. 8 in. rein.-con., 60,020 lb. reinforcing, to Rogers Bros. Co., 350 Merrick St., Los Angeles, $288,000. Noted Oct. 27.

Cal., Los Angeles—Grading, oiling, curbing, guttering and laying sidewalks on Coringa Dr., 77,544 sq.ft. grading and oiling, 5,819 lin.ft. concrete curbing, 12,706 sq.ft. concrete guttering, 29,445 sq.ft. sidewalk, to W. D. McCray, 424 Amer. Bank Bldg., $36,796.

Industrial Works

PROPOSED WORK

Mass., Cambridge — Cambridge Electric Light Co., Blackstone St., having plans prepared by French and Hubbard, archts. and engrs., 210 South St., Boston, 1 story, 90 x 180 ft., rein.-con., brick and steel power house.

Mass., Williamsett — Hampden Motor Truck Co., c/o R. D. Bloom, pres., Holyoke, soon lets contract 1 story, 60 x 630 ft., brick, concrete and steel factory, plain foundation, along tracks Boston and Maine R.R., here. Private plans.

Mass., Worcester—T. O'Flynn & Sons, 8 Green St., having plans prepared by E. T. Chapin, archt., 340 Main St., 2 story, 40 x 90 ft., brick and steel garage, Green St., $40,000.

R. I., Pawtucket—J. and P. Coats, Inc., 366 Pine St., plans large mill addition, brick and rein.-con. Architect not announced.

Conn., Bridgeport—Crane Co., South Ave., soon lets contract, 1 story, 75 x 175 ft., brick and steel addition to plant, plain foundation. Private plans.

Conn., Stamford—Vogue Publishing Co., 19 West 44th St., New York, having plans prepared by W. Higginson, archt. and engr., 18 East 41st St., New York, 3 story, 75 x 100 ft., concrete, brick and steel plant, here, $85,000.

N. Y., New York—Brooklyn Edison Co., 360 Pearl St., having sketches made brick, steel and concrete boiler house, plain foundation, foot of 66th St. $1,200,000. Private plans.

Pa., Bristol—Burlington Island Amusement Co., having plans prepared by Miller & Baker, engrs., Pleasant Beach Park, Bridgeport, Conn., for turbine lighting plant, with 2 units for emergency cases.

Industrial Works (Continued)

Pa., Johnstown—Cupp Grocery Co. takes bids in spring, 2 story, 66 x 115 ft. warehouse, Baumer and Cherry Sts. $150,000. McCormick Co., Century Bldg., Pittsburgh, engrs.

Pa., Phila.—L. J. Priestly, Jr., 1312 Sansom St., having preliminary plans prepared by H. Reinhold, archt., 1513 Walnut St., 3 story printing plant, 5th and Butler Sts. $75,000.

Pa., Phila.—Producers Cold Storage Co., c/o W. C. Benkert, Morris Bldg., having preliminary plans prepared by A. J. Sauer & Co., engrs., Denkla Bldg., 10 story, 90 x 275 ft. cold storage plant, rein.-con. brick and steel, plain foundation, South and Bainbridge Sts. $2,000,000.

Pa., Phila — Union Transfer Co., 1004 Spring Garden St., takes bids early in 1922, 1 story, 150 x 165 ft. garage. $40,000. C. T. Mitchell, 129 South 5th St., archt.

Pa., Pittsburgh—H. J. Heinz Co. having plans prepared by R. M. Trimble, archt., Ferguson Bldg., 6 story, 92 x 150 ft., storage plant, brick and steel, Progress St.

Pa., Pottstown—Nov. 20, by Lackman & Murphy, archts., Drexel Bldg., Phila., 4 story 100 x 260 ft. rein.-con. and steel factory, plain foundation, for Burdan Bros. $125,000.

W. Va., Huntington—H. T. Lambert Co., 1st Natl. Bank Bldg., plans 1st unit of plant, $45,000. A. E. Thomas, treas.

W. Va., Maben—Raleigh Wyoming Coal Co. having plans prepared 1 story, 70 x 80 ft. power plant. Rust Eng. Co., 1901 5th Ave., Pittsburgh, Pa., engrs.

Fla., Miami—See "Miscellaneous."

Ky., Ashland—Imperial Ice Cream Co., Parkersburg, W. Va., 1 story, 46 x 166 ft., ice cream plant, here, to H. W. Cox, Ashland, $90,000.

O., Cleveland—J. C. Lincoln, pres. Lincoln Electric Co., East 38th St. and Kelly Ave., plans 1 story, 60 x 110 ft., brick and steel garage, plain foundation, 1627 Superior Ave. $50,000. Architect not selected.

O., Cleveland—W. Rosenzweig, Society for Savings Bldg., plans 1 story, brick and steel garage, plain foundation, rear 6535 Carnegie Ave. $50,000. Private plans.

Mich., Detroit—Curtis Co., 536 West Lafayette Ave., having plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, 3 story, printing plant, rein.-con., brick and steel, plain foundation, West Grand Blvd. and Lincoln Ave. $150,000.

Mich., Grand Rapids—Kent Storage Co., Front St., N. W., plans cold storage plant and complete power plant. G. H. Hess, ch. engr.

Ill., Canton—Canton Ledger having plans prepared by Reeves & Ballie, archts., Arcade Bldg., Peoria, 2 story printing plant, brick, stone and steel. $50,000. H. Owen, mgr.

Ill., Chicago—Austin Mchy. Co. having plans prepared by Fox & Fox, archts., 38 South Dearborn St., 4 story, 80 x 160 ft., factory, mill construction, 865-79 North Sangamon St. $80,000.

Ill., Chicago—Rienzi Garage Co., 554 Diversey Ave., having plans prepared by W. W. Ahlschlager archt., 65 East Huron St., 1 story, 117 x 230 ft., garage, rein.-con., terra cotta and brick, Lehman Court and Dole Ave. $100,000.

Ill., La Salle—Stock company, c/o F. Worn, plans cement plant, brick and steel. $40,000. Architect not selected.

Ill., Zeigler—Zeigler Ice and Bottling Co., 1 story, 92 x 92 ft., ice plant, brick and steel. $50,000. Architect not selected.

Wis., Beaver Dam—R. Christian plans 1 and 2 story, 60 x 120 ft. garage, brick, rein.-con. and steel. $55,000. Architect not selected.

Wis., Beaver Dam—Storck Products Co., Slinger, plans 2 story, 60 x 80 ft. ice icream plant, brick, rein.-con. and steel, here. $50,000. Architect not selected.

Wis., Clinton—Milwaukee Washing Machine Co., 155 West Water St., Milwaukee, plans 1 story, 40 x 180 ft. factory, brick and wood, plain foundation, here. $50,000.

Wis., Milwaukee—Alliance Investment So., 115 Wisconsin St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 1 story, 60 x 120 ft. garage, brick and concrete, plain foundation, 3way. $40,000.

Wis., Milwaukee—H. C. Haeuser, archt., 445 Milwaukee St., opens bids about Nov.

FILTER PLANT—HARRISBURG, PA.

Bids were received Oct. 13 (lowest 3) by City Council for enlarging filter plant, Contr. A, from (A) Whiting-Turner Constr. Co., Stewart Bldg., Baltimore (awarded contract); (B) S. W. Shoemaker & Son, Walnut St.; (C) T. L. Eyre, 1537 Commercial Trust Bldg., Philadelphia; new force main, Contr. C, from (A) Meadow & McCarthy, 2423 State St.; (B) Natl. Constr. Co., 2218 Chestnut St., Philadelphia; (C) T. L. Eyre. The unit bids were as follows:

Contract A

29,000 cu.yd. earth excavation	$1.42	$1.75	$2.10
911 cu.yd. rock excavation	12.00	5.50	5.00
18,550 cu.yd. earth embankment, "A"	.22	.75	.50
4,390 cu.yd. earth embankment, "B"	.21	.50	.40
900 cu.yd. rock fill	2.25	5.00	2.40
1,275 cu.yd. top soil	1.83	2.00	3.00
500 sq.yd. sodding	.50	1.00	.80
1.5 acres seeding	75.00	100.00	250.00
1,500 sq.yd. macadam roads	2.02	2.00	3.50
500 sq.yd. gravel paths	.84	2.00	1.00
950 lin.ft. iron fences, outdoors	1.35	1.25	3.00
112 tons reinforcing steel	86.00	125.00	110.00
1,720 cu.yd. concrete, Class A	22.96	34.00	24.00
1,940 cu.yd. concrete, Class B	15.75	12.00	20.00
600 cu.yd. concrete, Class C	16.60	15.00	16.00
317 cu.yd. concrete, Class D	17.00	17.00	25.00
280 cu.yd. concrete, class E	26.00	28.00	25.00
135 cu.yd. concrete, Class F	21.00	40.00	34.00
540 cu.ft. concrete, Class G	1.00	1.00	2.00
40 cu.yd. concrete, Class H	39.00	50.00	70.00
1,000 lin.ft. drilling holes	1.45	1.00	2.50
390 cu.yd. sand fill	2.74	5.00	5.00
88 lin.ft. 48-in. concrete pipe	28.50	27.00	30.00
230 lin.ft. 42-in. concrete pipe	22.00	22.00	24.00
650 lin.ft. 36-in. concrete pipe	13.70	19.00	20.00
940 lin.ft. 18-in. concrete pipe	6.00	8.00	10.00
138 lin.ft. 48x½-in. steel pipe	30.80	20.00	30.00
40 lin.ft. 36x ⅜-in. steel pipe	24.75	20.00	32.00
68 lin.ft. 42x½-in. steel pipe	30.00	20.00	37.00
212 lin.ft. 42x½-in. steel pipe	18.00	30.00	21.00
40 lin.ft. 8-in. cast iron pipe	5.50	7.20	5.00
1,680 lin.ft. 6-in. cast iron pipe	4.00	1.50	3.30
235 lin.ft. 4-in. cast iron pipe	3.75	1.00	3.00
C.-i. pipe at gate house (lump sum)	10,350.00	4,524.50	14,000.00
Con'ns bet. new and old plant (lump sum)	7,600.00	7,275.00	10,000.00
Alternative for above plant (lump sum)	9,600.00	9,000.00	11,000.00
8 sets filter piping, etc	2,809.00	2,500.00	3,000.00
8 sets filter regulating app	1,300.00	1,000.00	1,375.00
12 sets alterations to pres. filters	260.00	200.00	276.00
700 lin.ft. underground steam pipe	3.15	2.00	3.00
85 lin.ft. exterior w.-i. pipe	2.00	1.00	2.00
25 lin.ft. 10-in. vitrified pipe	4.00	2.00	4.00
800 lin.ft. 4-in. vitrified pipe	.60	1.00	.60
2 48-in. gates, hyd. cyl	2,650.00	2,400.00	2,820.00
3 42-in. gates, hyd. cyl	1,750.00	1,500.00	1,870.00
2 42-in. gates, bevel gears	900.00	800.00	945.00
2 36-in. gates, hyd. cyl	1,200.00	1,100.00	1,255.00
1 36-in. gates, bevel gears	464.00	550.00	490.00
1 30-in. gates, bevel gears	312.00	350.00	330.00
3 18-in. gates	175.00	160.00	180.00
3 6-in. gates	60.00	30.00	60.00
2 4-in. gates	40.00	12.00	42.00
6 3-in. gates	32.00	15.00	32.00
1 42-in. sluice gates	589.00	550.00	620.00
2 36-in. sluice gates	450.00	400.00	480.00
1 16-in. sluice gates	196.00	150.00	205.00
4 30-in. flap valves	250.00	200.00	262.00
20 8-in. flap valves	27.00	25.00	28.00
1 4-in. fire hydrants	70.00	60.00	74.00
Superstructure of filter house (lump sum)	8,450.00	9,655.00	12,000.00
Alternative for above (lump sum)	9,500.00	10,155.00	13,000.00
Alternative for above (lump sum)	13,200.00	17,000.00	11,000.00
Alternative for head house (lump sum)	6,700.00	7,215.00	9,000.00
Alternative for gate house (lump sum)	4,651.00	4,800.00	7,000.00
Electric wiring (lump sum)	4,100.00	4,000.00	4,600.00
Gas piping (lump sum)	357.00	200.00	500.00
Plumbing and heating (lump sum)	5,700.00	4,600.00	5,400.00
Intake bars, etc. (lump sum)	360.00	360.00	375.00
4 dry feed machines	1,175.00	1,200.00	550.00
1 head house crane	360.00	500.00	380.00
1 Venturi meter	2,540.00	2,593.00	2,850.00
Water level gage (lump sum)	190.00	150.00	195.00
Water testing table (lump sum)	500.00	475.00	520.00
1 sand ejector	280.00	270.00	300.00
400 lin.ft. 2½-in. fire hose	1.30	1.43	1.60
100 lin.ft. 3-in. fire hose	2.00	2.20	2.40
New low lift pump (lump sum)	9,240.00	8,000.00	9,870.00
Renovating old pumps (lump sum)	4,800.00	4,000.00	5,060.00
New high press. pump (lump sum)	2,026.00	2,000.00	2,165.00
New boiler, blower, etc. (lump sum)	5,250.00	5,820.00	6,200.00
Alterations to piping (lump sum)	4,500.00	3,500.00	4,345.00
Alterations to buildings	2,700.00	3,100.00	3,000.00
70 cu.yd. graded filter gravel	12.00	10.00	14.00
320 cu.yd. graded filter sand	6.50	5.00	7.00
320 cu.yd. alternative for above	12.50	8.00	13.00
480 cu.yd. cleaning present sand	3.00	2.50	3.50
Reg. app. in gate house (lump sum)	525.00	7.00	830.00
Reg. app. for intake gates (lump sum)	250.00	325.00	345.00
50 manhole heads, etc	26.00	24.00	30.00
Appurtenances (lump sum)	642.42	800.00	660.00
Chlorine apparatus (lump sum)	1,100.00	1,080.00	1,090.00
5 portable belt conveyors	900.00	6,000.00	990.00
Extended totals	$375,588	$421,584	$449,298

Contract C

	A	B	C
1,810 lin.ft. 36-in. c.-i. pipe, Class C	$21.00	$21.20	$23.00
Valves (lump sum)	1,950.00	2,500.00	930.00
Manholes (lump sum)	200.00	370.00	300.00
Extended totals	$40,160	$41,242	$42,860

Industrial Works (Continued)

21, 2 story, 32 x 64 ft. bakery, brick and tile, plain foundation, North Ave., for H. M. Schwantes, 1063 16th St. $40,000.

Wis., Neenah—Tri City Nash Co., 526 South Commercial St., plans 2 story, 55 x 150 ft. garage, brick, rein.-con. and steel, North Commercial St. $60,000. Architect not selected.

Wis., New Lisbon—General Device Corp. plans 1½ story, 50 x 120 ft. factory, brick, rein.-con. and steel, Main St. $85,000. Architect not selected.

Wis., Platteville—B. A. Doescher plans 2 story, 60 x 150 ft. factory, brick and rein.-con. $50,000. Architect not selected.

Wis., Portage — Portage Co-operative Canning Co., Michel Bldg., having plans prepared by R. A. Webber, archt., Portage, 2 story, 198 x 250 ft. cannery, brick, steel and rein.-con. $150,000. Noted Sept. 8.

Wis., Waukesha—Commercial Appliance Co., c/o L. M. Taylor, pres., Port Washington, plans 2 story, 50 x 150 ft., brick, rein.-con. and steel factory, Main St., here. $75,000. Architect not selected.

Ia., Oskaloosa—Anderson Canning Co. having plans prepared 2 story factory, brick and steel. $45,000. J. H. De Board, mgr. Private plans.

Minn., Fond du Lac—Great Northern Power Co., 311 Alworth Bldg., Duluth, preparing plans for power house and dam, here. $1,000,000. Mitchell, pres. Private plans.

Minn., Minneapolis — Minnesota Mfg. Corp., 732 3rd St., N., having plans prepared by P. E. Crosier, archt., 915 New York Life Bldg., 3 story, 46 x 132 ft., brick and concrete factory, 8th Ave. between 3rd and 4th Sts. N. $40,000. E. J. Miller, secy.

Minn., Minneapolis—M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, opens bids about Nov. 21, 3 story, 96 x 168 ft., brick and concrete warehouse, plain foundation, Colfax Ave., S., here, for Creamery Package Mfg. Co., Ft. Atkinson. $100,000.

Kan., Columbus—C. & A. Motor Car Co., c/o F. Hart, mgr., plans 2 story, brick and steel garage. $50,000. Architect not selected.

Kan., Wichita — Legeli Engine Co., El Rens, Okla., c/o L. Legeli, plans 2 story, brick and steel factory, here. $50,000. Architect not selected.

Neb., Omaha — Chicago, Rock Island & Pacific Ry., c/o J. G. Gorman, pres., 139 West Van Buren St., Chicago, having plans prepared by A. T. Hawk, archt., c/o owner, 1 story, 46 x 250 ft., brick and steel freight house, here. $350,000.

Mont., Great Falls—Montana Power Co., Electric Bldg., Central Ave., plans hydro-electric plant and dam, Missouri River, below Mystic Falls. $1,000,000. J. C. Hobbins, mgr.

Mo., Lamar—Osage Power Site Co. having plans prepared, power plant, concrete, near Osage River. $3,000,000. W. E. Banks, mgr. R. Wilson, Lamar, engr.

Mo., Montgomery City—Montgomery City Electric Co. plans rebuilding light plant, brick. $50,000. E. H. Algermissen, mgr. Architect not selected.

Mo., Osceola — Osage Resort Co. plans power plant, concrete. $150,000. G. Linn, mgr. Engineer not selected.

Mo., St. Louis—Adalil Realty Co., c/o P. H. Bierman, 1609 Ry. Exch., having plans prepared by O. J. Popp, archt., Odd Fellows Bldg., 1 story, 50 x 234 ft., brick and steel garage, Spring and Washington Sts. $55,000.

Mo., St. Louis—P. J. Bradshaw, archt., International Life Bldg., soon lets contract 2 story, brick and steel factory, 1900 North B'way, for Hall & Brown Woodworking Machine Co., 1913 North B'way. $50,000.

Mo., St. Louis—Haynes Langenberg Mfg. Co., c/o G. Langenberg, 4045 Forest Park, plans to rebuild 2 story, brick and concrete factory. $125,000. Architect not selected.

Mo., St. Louis—Walsh Motor Car Co., c/o W. D. Walsh, pres., 4919 Delmar St., having plans prepared by Comet & Carey, archts., Chemical Bldg., 2 story, brick and steel garage. $75,000. Noted May 5.

Wash., Seattle—E. Goldberg, 615 Boren Ave., having plans prepared by H. H. James, archt., Amer. Bank Bldg., 2 story, 138 x 160 ft. factory, 1st Ave. S. and Spokane St. $60,000.

Ore., Scappoose—Oregon Charcoal Iron Co., 412-13 Corbett Bldg., Portland, having plans prepared for 50 ton charcoal blast furnace supplied by by-product plant, 1½ mi. west of here. C. I. Calkins, pres.

Cal., Irvington—Reid Bros., 105 Montgomery St., San Francisco, having plans prepared by Sutton & Whitney, archts., Lewis Bldg., Portland, Ore., 1 story concrete factory, here. $100,000.

Ont., Chatham—Silverwoods, Ltd., London, plans ice plant, Maple St., here. $100,000. A. E. Silverwood, Mgr.

Ont., Ottawa—Bd. Control takes bids early in 1922, live stock building, rein.-con. and brick, Bank St., for Central Canada Exhibition Assn., $150,000. A. K. Raisley, City Hall, secy. Architect not selected.

BIDS DESIRED

Mass., Everett—C. H. Tenney & Co., archts. and engrs., 201 Devonshire St., Boston, receiving bids 1 story, 70 x 70 ft., brick and concrete power house, Bway. and Oakland Ave., here, for Malden Electric Co., 129 Pleasant St., Malden. $70,000.

Conn., Hartford—Frisbie Pie Co., Kossuth and Burroughs Sts., Bridgeport, receiving bids 2 story, 100 x 100 ft. bakery, brick and steel, plain foundation, Prospect St., here. Private plans.

Pa., Phila.—Dec. 1, by J. E. Fieldstein, archt., Penfield Bldg., 3 story, 89 x 100 ft. rein.-con., brick and steel garage and service station, plain foundation, Broad and Bainbridge Aves., for Walton Auto Supplies Co., Inc., Broad and Bainbridge Aves. Former bids rejected. Noted Oct. 27.

N. C., Charlotte—Dec. 1, by Southern Power Co., c/o W. S. Lee, vice-pres. and ch. engr., 511-5th Ave., New York, addition to hydro-electric plant on Catawba River, at Great Falls, S. C., known as Great Falls Power House 2, 35,000 cu.yd. concrete masonry and 100,000 cu.yd. excav.; new installation at point 12 mi. from here will be known as Mountain Island Station, 220,000 cu.yd. concrete masory, 250,000 cu.yd. rock excav., and 400,000 cu.yd. earth fill. Noted Jan. 27.

O., Newark — Consumers Products Co. taking bids 1 story, 40 x 60 ft., ice plant, brick and steel, plain foundation. $40,000. A. C. Bishop & Co., 427 Guardian Bldg., Cleveland, archts.

Wis., Cumberland—Jan. 1, by Cumberland Creamery Co., 1 and 2 story, 50 x 100 ft. dairy, brick, rein.-con. and tile. $45,000. A. W. Twinghamer, pres. Private plans.

Mo., St. Louis—Nov. 22, by F. B. Edelmann, archt., 1111 Title Guaranty Bldg., 1 story, 92 x 126 ft., brick and steel factory, La Salle and Grand Sts., for O. E. Schaefer, 1122 McCausland St. $45,000.

Okla., Cordell—C. H. Murdock taking bids 2 story, 50 x 130 ft. brick and steel garage. $45,000. Layton, Smith & Forsyth, 701 Majestic Bldg., Oklahoma City, archts.

BIDS RECEIVED

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., opened bids Nov. 7, steam heating plant, brick and steel, plain foundation, for school, East 116th St. and Corlett Ave., from Spohn Heating & Ventilating Co., East 45th St., $154,312; Feldman Bros., 10309 Barrett Ave., $161,034; Warden & Lees Co., Prospect Ave., $163,985. Noted Oct. 27.

CONTRACTS AWARDED

N. H., Concord—Boston & Maine R.R., North Sta., Boston, 1 story, brick and rein.-con. boiler house, freight yards, here, to H. W. Lines Co., 134 State St., Meriden, Conn. $75,000.

Mass., Brockton—McRae, Ouderkirk & Hallamore Co., 159 North Montello St., 1 story, 100 x 100 ft., brick and steel garage, plain foundation, to J. S. Johnson, 148 Belmont St., $40,000.

Mass., Cambridge — C. N. James, 139 Brookline St., 1 story, 99 x 122 ft., brick addition to factory, Decatur St., to F. J. Van Etten Co., 80 Boylston St., Boston. $45,000.

Mass., Walpole—Bird & Son, Inc., 1 story, 65 x 210 ft. brick addition to factory, to Somers & Drisko, 67 Milk St., Boston. $60,000.

Conn., Hartford—St. Francis Hospital, Farmington Ave., 1 story, 80 x 90 ft., brick, concrete and steel laundry, plain foundation, Ashley St., to W. F. O'Neill, 277 Farmington Ave. $40,000.

N. Y., Mt. Vernon—Willow Brook Dairy Co., 5 South Fulton Ave., 2 and 1 story dairy plant and garage, etc., to Barney-Ahlers Co., 110 West 40th St., New York, $300,000. Noted June 23.

Pa., Clarion—L. A. Leathers, Brookville, 1 story, 60 x 110 ft. brick and steel garage, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, O., $50,000.

Pa., Lansdale—Norristown Hosiery Mills Norristown, 2 story 48 x 162 ft. brick and steel factory, plain foundation, here, to W. Steele & Sons, 16th and Arch Sts., Phila. $50,000.

Pa., Philadelphia—Wittman & Moriarity Co., Inc., Ontario Ave. and C St., 2 story, 77 x 195 ft. and 1 story, 72 x 111 ft., rein.-con., steel and brick factory, plain foundation, to Turner Constr. Co., Presser Bldg., $100,000.

D. C., Washington — Fleischman Yeast Co., Langdon, alterations and addition to plant, to F. L. Wagner, 1413 H St., N. W., $50,000.

W. Va., Huntington—Imperial Ice Cream Co., Parkersburg, 2 and 1 story, 45 x 83 ft. and 40 x 60 ft. ice cream plant, here, to C. W. McNulty Co., 924 Washington Ave., $75,000.

W. Va., Huntington—O. I. Stonard Co., 834 5th Ave., jobbing house on 7th Ave. and 10th Sts., to Arnold Co., 105 South La Salle St., Chicago, $150,000.

W. Va., Maben—Raleigh Wyoming Coal Co. 1 story, 70 x 80 ft. power plant, to Rust Eng. Co., 1901 5th Ave., Pittsburgh, Pa.

W. Va., Point Pleasant—Auto Motive Mfg. Co., Dunbar, first unit of plant, 1 story, 80 x 250 ft., here, to Rust Eng. Co., 1901 5th Ave., Pittsburgh, Pa., $90,000. Noted Oct. 20.

W. Va., Richwood—Cherry River Paper Co., 1 story, 40 x 150 ft., brick and steel power house, to J. H. Wallace, 5 Beekman St., New York. $300,000.

Fla., Ft. Pierce—City addition to electric light plant, to T. B. Whitted, 806 East Blvd., Charlotte, N. C., $60,000.

Ky., Louisville—Van Camp Packing Co., 1303 South Shelby St., two 2 story, 102 x 275 ft., brick and steel factories, concrete pile foundation, Shelby and Goss Sts., to Bredeman Bros., 1232 South Shelby St., $400,000.

Ky., Louisville—R. J. Reynolds Tobacco Co., Winston Salem, 1 story, 130 x 330 ft., warehouse at 818-824 South 28th St., here, to G. H. Rommel Co., 958 Logan St. $75,000.

O., Bay Village—Northern Ohio Light & Power Co., c/o I. H. Case, Eagle Cliff, 1 story, 80 x 100 ft., brick, steel and concrete power plant, plain foundation, incl. electric lines, to R. E. Carey Co., 1500 West 112th St., Cleveland, $250,000.

O., Cleveland—Lamson & Sessions Co., 2188 Scranton Rd., 2 story, 64 x 110 ft., rein.-con. and brick factory, plain foundation, to Boldt Constr. Co., 5902 Euclid Ave., $60,000.

O., Cleveland—Refrigerating plant for city hospital, Scranton Rd., to Hibbard Co., Wise Bldg., Euclid Ave., $78,960.

O., Minerva—Lewis Electric Co., 1 story, brick and steel factory, plain foundation, to Boldt Constr. Co., 5902 Euclid Ave., Cleveland, $100,000.

Mich., Crystal Falls—Peninsular Power Co., Natl Bank Bldg., Madison, Wis., 1 story, 50 x 130 ft. electric substation, rein.-con., brick and steel, by day labor, $60,000. Mead & Seastone, State Journal Blk., Madison, Wis., engrs.

Ill., Chicago—Mandel Bros., State and Madison Sts., 1 story, 125 x 191 ft., rein.-con., brick and steel garage, 2641-59 North Crawford St., to F. Sedlak & Son, 2448 South Lawndale Ave., $75,000.

Ill., Elgin—Duty Motor Corp., 19 North Spring St., 1 story, 250 x 250 ft., brick and steel factory, to A. E. Anderson, c/o owner, $80,000.

Industrial Works (Continued)

Ill., Joliet—Suburban Ice Co., La Grange, will build ice plant, here, rein.-con., brick and stone, 100 ton capacity, by day labor. $60,000. L. E. Stanley, pres.

Wis., Hartford—Burlington Blanket Co., Burlington, 2 story, 50 x 90 ft., brick, rein.-con. and steel factory, here, to L. Kissel & Sons, Hartford, $45,000.

Wis., Manitowoc—K. O. Muehlberg Co., 209 North 9th St., 2 story, 65 x 95 ft. machine shop, brick, rein.-con. and steel, to F. Drumms, 710 South 15th St., $50,000.

Wis., Maribel—Maribel Strawcutter Co., c/o H. A. Elmer, pres., 1 and 2 story, 50 x 120 ft. factory, brick, rein.-con. and tile, by day labor. $45,000. Noted Sept. 16.

Wis., Milwaukee—Gugler Lithograph Co., 694 Bway., 1 story, 66 x 106 ft. addition to plant, brick and concrete, plain foundation, Bway., to Universal Constr. Co., 97 Wisconsin St., $60,000.

Wis., Prairie du Sac—Schmalz Bros. 1 tory, 60 x 106 ft. brick and concrete garage, plain foundation, to Willis & Deacon, Hayes Blk., Janesville, $40,000.

Minn., Duluth—Duluth Auto Exch. Co., 2 story, 100 x 140 ft., brick and rein.-con. garage, 201 East 1st St., to G. H. Lounsberry & Co., Lakeview Store Bldg., $60,000.

Mo., Ferguson—Republic Photographic Co. Kansas City, 1 story, 55 x 385 ft. and 77 x 162 ft. brick and steel factory, here, to Gamble Constr. Co., 620 Chestnut St., St. Louis, $125,000. Noted Nov. 3.

Mo., St. Louis—Automobile Garage Co., 1 story, 100 x 129 ft. garage, Easton and Valle Aves., to Chapline Constr. Co., Post Dispatch Bldg. $40,000.

Ore., Portland—Doernbecher Mfg. Co., East 28th St., along tracks Oregon-Washington R.R. & Navigation Co., 6 story factory, by day labor. $500,000. M. Patterson, c/o owner, engr.

Buildings

PROPOSED WORK

Me., Portland—High School—Bd. Educ. having plans prepared by Poor & Thomas, archts., 537 Congress St., 3 story, brick, concrete and steel, Deering Dist. $500,000.

N. H., Keene—Hospital—Hospital Comn. plans 2½ story, rein.-con. and brick. $225,000. Architect not selected.

Mass., Amherst — Laboratory—Amherst Agricultural College having plans prepared by Ritchie & Jonesberg, archts., 15 Ashburton Pl., Boston, 2 story, 75 x 195 ft., brick. $200,000. Noted Feb. 24.

Mass., Athol — Church — St. Francis Church Parish, Main St., plans 1 story, brick, stone and steel, Main St. $150,000. Architect not announced.

Mass., Attleboro—Club—B. P. O. E. plan brick and concrete, Main St., $150,000. Architect not announced.

Mass., Boston—Medical and Surgical—N. E. Deaconess Assn., 6 Deaconess Rd., having plans prepared by C. W. Williams, archt., c/o owners, 5 story, 42 x 100 ft., brick and stone, Deaconess Rd. $300,000.

Mass., Fall River—Temple—F. & A. M., Masonic Temple Bldg., plans 4 story, 75 x 140 ft., brick, concrete and steel, North Elm St. $200,000. Architect not announced.

Mass., Holyoke—Office—Holyoke Water Co., 1 Canal St., plans 4 story, Dwight St. $150,000. Architect not announced.

Mass., Medford—Apartment—J. A. and F. A. Walker, 460 Salem St., having plans prepared, 5 story, brick and steel, Bway. $150,000. Private plans.

Mass., Medford—Club—B. P. O. E. plan brick, Forest St. $150,000. Architect not selected.

Mass., Medford — Temple — Masonic Temple Assn., Mt. Hermon Lodge, plans brick and steel, Forest St. $150,000. Architect not selected.

Mass., New Bedford—Bank—First Natl. Bank, 110 Union St., having sketches made by Hutchins & French, archts., 8 Winter St., Boston, stone, brick and steel, Union St. To exceed $150,000.

Mass., Northampton — Gymnasium—Bd. Trustees Smith College plans 1½ story, brick and steel, campus. $175,000. Architect not announced.

Mass., Taunton—Office—M. Dana, 202 Pemberton Bldg., Boston, plans, brick, Main St., here. $200,000. Architect not selected.

Mass., Worcester—Business—D. Shapiro 122 Green St., having plans prepared by E. T. Chapin, archt., Mutual Bldg., 2 story, 92 x 160 ft., brick and steel, Harding and Harrison Sts. $150,000.

Mass., Worcester — Church — St. Joseph Roman Catholic Churh, 34 Wall St., plans 1 story, brick, stone and steel, Hamilton St. $150,000. Architect not announced.

R. I., Cranston—Library—Owner, c/o R. I. Hospital Trust Co., 15 Westminster St., Providence, plans brick, stone and concrete, Broad St. $400,000. Architect not announced.

R. I., Providence—College—Rhode Island College of Pharmacy, 242 North Main Sts., plans 3 story, brick and steel, Benefit and Waterman Sts. $150,000. Architect not selected.

R. I., Woonsocket—Club—B. P. O. E. plans brick and steel, Main St. $150,000. Architect not selected.

Conn., Groton—Home—I. O. O. F. plans 2 or 3 story, brick and concrete, overlooking Thames River. $250,000. Architect not selected.

Conn., Stamford—Business—S. S. Kresge Co., Kresge Bldg., Detroit, Mich. plans 3 story, Atlantic St., here. $150,000. Private plans.

N. Y., Brooklyn—Apartment and Store—Bermali Realty Co., c/o Gronenberg & Leuchtag, archts. and engrs., 303 5th Ave., New York, having plans prepared 4 story, 100 x 120 ft., brick, steel and stone, plain foundation, 13th Ave. and 55th St., here. $250,000.

N. Y., East Syracuse—School—Union Free School Dist. 5, De Witt, having plans prepared by M. L. King, archt., Snow Bldg., Syracuse, 3 story, brick, concrete and steel, here. $300,000.

N. Y., New York—Apartment—J. Brown, c/o D. S. Lang, archt. and engr., 110 West 34th St., soon takes birs 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, West 136th St. $200,000.

N. Y., New York—Apartment—W. Korn, c/o G. and E. Blum, archts., 505 5th Ave., making sketches 14 story, 100 x 125 ft., brick, steel and stone, plain foundation, 58th St. and Park Ave. $1,000,000. C. Mayer, 110 West 40th St., engr.

N. Y., New York—Apartment—Estate of E. H. Van Ingen, c/o Cross & Cross, archts. and engrs., 681 5th Ave., having preliminary plans prepared 12 story, 50 x 100 ft., brick, steel and stone, plain foundation, 956 5th Ave. $400,000.

N. Y., New York—Bank—North River Savings Bank, 31 West 34th St., having sketches made by C. E. Birge, archt. and engr., 29 West 34th St., 2 story, 75 x 100 ft., brick, steel and stone, plain foundation, 206 West 34th St. $200,000. Noted Nov. 3.

N. Y., New York—Church—St. Marks Church, c/o Sibley & Featherston, archts. and engrs., 101 Park Ave., had plans prepared 2½ story, brick and limestone, plain foundation, St. Nicholas Ave. and 137th St. $300,000.

N. Y., New York—Office—Estate of A. Finkenberg, 552 Riverside Dr., having preliminary plans prepared by L. S. Weeks, archt. and engr., 101 Park Ave., 12 story, 75 x 100 ft. brick and limestone, plain foundation, 3rd Ave. and 12th St. $500,000.

N. Y., New York—Office—Interzone Corp., c/o C. Gilbert, archt., 244 Madison Ave., having plans prepared 14 story, Maiden Lane and William St. $550,000.

N. J., Red Bank—Theatre—P. Coleman, c/o Francisco & Jacobus, archts. and engrs., 511 5th Ave., New York, having sketches made, 1 story, brick, steel and stone, plain foundation, West Front St., here. $350,000.

Pa., Abington—High School — Abington Twp. School Bd., c/o W. F. Wooley, McKinley, plans 2 story, brick and stone, plain foundation, here. $180,000. Heacock & Hokanson, 1218 Chestnut St., Phila., archts.

Pa., Altoona—High School—Catholic Diocese plans 3 story, 100 x 120 ft. brick and steel, 6th Ave. and 11th St. $150,000. J. J. McCort, 1211 13th St., bishop. Architect not selected.

Pa., Altoona — High School—Directors School Dist., 6th Ave. and 15th St., take bids in spring 2 story, 90 x 200 ft. brick and stone. $800,000. J. Millard, Hutchinson Bldg., Altoona and W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archts.

Pa., Harrisburg—Temple—Labor Temple Assn., 310 Market St., plans 4 story. $150,000. Architect not selected.

Pa. Johnstown—Y. W. C. A., Somerset St., plans 62 x 126 ft. brick, Locust St. $150,000. W. S. Gray, pres.

Pa., Phila.—Apartment—Acme Real Estate Co., c/o R. R. Cooper, 1330 Lombard St., having plans prepared by C. H. Wilson, archt., 2028 West Berks St., 4 story, 50 x 129 ft., brick and steel, plain foundation, 1732-1736 Christian St. $150,000.

Pa., Phila. — Apartment — Pennsylvania Apartment & Hotel Bldg. Co., Scranton, had plans prepared by D. H. Morgan, archt., Connell Bldg., Scranton, 3 story, 175 x 180 ft. stone, tile and brick, plain foundation, Bryn Mawr and Windfield Aves., here. $200,000.

Pa., Phila.—Clubhouse—B.P.O.E. No. 2, Juniper and Arch Sts., plan 10 story, 160 x 196 ft. brick and stone, plain foundation, Broad and Wood Sts. $1,000,000. Will not mature until 1923. Architect not selected.

Pa., Phila.—Hospital—Womens Hospital of Phila., 22nd St. and North College Ave., having plans prepared by C. A. Ziegler, archt., 1218 Chestnut St., 6 story, 50 x 100 ft. rein.-con., brick and steel, plain foundation. $250,000.

Pa., Phila.—Theatre—A. Felt, 140 South 52nd St., having plans prepared by H. C. Hodgens, archt., 130 South 15th St., 1 story, 38 x 80 ft. and 125 x 134 ft. rein.-con. brick and steel, plain foundation, 5212-18 Market St. $250,000.

Pa., Phila.—Y. M. H. A. having preliminary plans prepared by F. E. Hahn, archt., 1112 Chesnut St., 5 or 7 story, 100 x 200 ft. $750,000.

D. C., Washington — Home — Central Union Mission, 622 Louisiana Ave., having plans prepared by A. P. Clark, Jr., arch., 816-14 th St., N. W., for home. $200,000.

Va., Norfolk — Auditorium, etc. — Preliminary plans concrete, stone and brick auditorium, market, city hall, federal building and library, known as Norfolk Civic Center Project. $3,000,000. J. C. Rue, city engr.

W. Va., Huntington—Schools—Bd. Educ. plans election to vote on $2,000,000 bonds for schools.

N. C., Charlotte — School — Lockwood, Greene & Co., archts., Charlotte, opens bids about Dec. 1, 3 story, 216 x 273 ft., tile and brick or stucco, East 7th St., for Bd. Educ. $225,000.

N. C., Winston-Salem — Schools, etc—Voted $1,000,000 bonds for schools, $50,000 for hospital. J. G. Haynes, mayor. Noted Sept. 22.

Fla., De Land—Hotel—E. R. Conrad, De Land, interested in syndicate which plans to build hotel. $200,000.

Fla., Jacksonville — Schools—Duval Co. School Bd. to vote on $700,000 bonus for new wings to Duval High School, Central Grammar School and additions to other schools; $300,000 for two 2 story Junior High Schools, steel, concrete and brick.

Ala., Birmingham—Store—Butler Bros., 2126½ First Ave., plans 2 or 3 story, 120 x 140 ft., 23rd St. and 3rd Ave. $200,000. Architect not selected.

Ky., Covington—Church—First Presbyterian Church having plans prepared by Nevin & Wichmeyer, archts., 1317 Starks Bldg., Louisville, 2 story, rein.-con. and brick. $150,000.

Ky., Louisville—Club—Louisville Council, Knights of Columbus, having plans prepared by T. J. Nolan, archt., Courier-Journal Bldg., 8 story, 85 x 120 ft., rein.-con., brick and steel, concrete pile foundation, 816-20 South 4th St. $500,000.

Ky., Louisville—Lodge—Prestons Lodge of Masons, Shelby and Main Sts., having plans prepared by A. E. Weinedel, archt., 500 Lincoln Bldg., 2½ story, 65 x 140 ft., brick and stone, concrete pile foundation, Jackson St. and B'way. $150,000.

Buildings (Continued)

Ky., Louisville—School—State having sketches made by H. L. Nevin, archt., 1317 Starks Bldg., for Industrial School for Adult Blind, 3 story, 120 x 180 ft., brick, concrete pile foundation, Frankfort Ave. $200,000.

O., Canton—Commercial—L. Kaven, 419 Tuscarawas St. E., plans 3 story, 66 x 200 ft., 6th St. and Cherry Ave. S. E. Cost between $150,000 and $175,000.

O., Canton—Office and Mercantile—J. E. Sell, Market Ave. N., plans 6 story, 66 x 200 ft., 4th St. and Cleveland Ave. N. W. $300,000.

O., Cleveland—Apartment—J. W. Thompson, 5103 Euclid Ave., plans 3 story, brick and timber, plain foundation 11452 Euclid Ave. $200,000. Private plans.

O., Cleveland—Bank—Union Trust Co., Citizens Bldg., had plans prepared by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, Ill., 2 story, 45 x 75 ft., brick, steel and concrete, plain foundation, West 93rd St. and Lorain Ave. $150,000.

O., Cleveland—Church—W. E. Hunter, archt., 1436 Washington Blvd., Detroit, Mich., preparing plans 2 story, 100 x 150 ft., brick, stone and steel, plain foundation, here. $400,000. Owner's name withheld.

O., Cleveland—Commercial and Apartment— B. Koslen, 10612 Olivette Ave., plans 3 story, 94 x 110 ft., brick and timber, plain foundation, East 125th St. and Edmonton Ave. $150,000. Architect not selected.

O., Cleveland — Commercial and Apartment—Meyers, West 25th St. Market Co., c/o Hulett & Stanton, archts., 3129 Scranton Rd., having plans prepared, 2 story, 39 x 120 ft., brick, steel and concrete, plain foundation, West 25th St. and Meyers Ave. $200,000.

O., Cleveland—Commercial and Apartment—M. Morris, 603 Republic Bldg., having plans prepared by A. E. Curtis, archt., 605 Republic Bldg., 2 story, 120 x 180 ft., brick and timber, plain foundation, East 152nd St. and Waterloo Rd. $150,000.

O., Cleveland—Commercial and Market—Bway. Properties Co., c/o C. E. Camp, of Euclid-East 46th St. Market, having plans prepared by A. C. Wolf, archt., Swetland Bldg., 2 story, brick, steel and concrete, plain foundation, 5800 Bway. $500,000.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCormack, archt., East 6th St. and Rockwell Ave., 2 story, brick, steel and concrete addition, plain foundation, Addison Rd. $200,000. Noted Feb. 3.

O., Cleveland—Store and Apartment—B. Koslin, 10612 Olivette Ave., having plans prepared by M. Weis, archt., 618 Union Bldg., 3 story, 94 x 110 ft., brick and timber, plain foundation, East 125th St. and Edmondton Ave. $150,000.

O., Cleveland Heights—(Warrenville, P. O.)—Apartment—M. B. Abrams, Society for Savings Bldg., Cleveland, having plans prepared by A. F. Janowitz, archt., Permanent Bldg., Cleveland, 3 story, 95 x 105 ft., brick and timber, plain foundation, Euclid Blvd. and Coventry Rd., here. $150,000.

O., Dayton—Market—City plans 1 story, 80 x 450 ft., rein.-con., 3rd St. $150,000. F. O. Eichelberger, city mgr. Architect not selected.

O., Dover—Bank and Office—Reeves Banking & Trust Co. having plans prepared by Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, 2 story, 65 x 124 ft., brick, steel and concrete, plain foundation, Cherry St. $150,000.

O., Ironton—Bank—First Natl. Bank having tentative plans prepared by F. L. Packard, archt., New Hayden Bldg., Columbus, about 6 story, rein.-con., brick and stone, Main St. $200,000.

O., Westerville—School—Voted $190,000 bonds for school.

Mich., Detroit—Apartment—S. Braiker, 574 Harper Ave., having plans prepared by M. H. Finkel, archt., 333 Majestic Bldg., 4 story, 100 x 120 ft. brick and steel, plain foundation, Merrick Ave. and 3rd St. $250,000.

Mich., Detroit — Apartment—Cooper Constr. & Realty Co., 322 West Fort St., having preliminary plans prepared by M. H. Finkel, archt., 333 Majestic Bldg., 10 story, 60 x 180 ft., rein.-con., brick, steel and stone, plain foundation, Woodward Ave.

Mich., Detroit—Apartment and Store—P. R. Rossello, archt., 406 Congress Bldg., preparing plans 3 story, 102 x 172 ft. brick, steel and stone, plain foundation, Garfield and Chene Sts. $150,000. Owners name withheld.

Mich., Detroit—Schools—Bd. Educ. having plans prepared by Malcolmson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story addition, Grand River Ave., $200,000; 2 story addition, East Melford St., $150,000; rein.-con., brick and steel, plain foundations.

Mich., Detroit—School—Bd. Educ. having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, rein.-con., brick and steel addition, plain foundation, Seneca Ave. near Newlands Ave. $150,000.

Mich., Grand Rapids—Hotel—B. K. Gibson & Co., archts., 608 South Dearborn St., Chicago, Ill., soon take bids 8 story, 152 x 154 ft., rein.-con., Monroe Ave., here, for Furniture City Realty Co., 515 Lyons Ave., $1,000,000.

Mich., Novi—High School—Consolidated High School having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., Detroit, 2 story, 115 x 154 ft. rein.-con., brick, steel and stone, plain foundation. $150,000.

Ill., Aurora—Home—B. P. O. E., c/o J. M. Raymond, 177 Downer Pl., having plans prepared by Zimmerman-Saxe & Zimmerman, archts., 63 East Van Buren St., Chicago, 2 story, 80 x 243 ft., rein.-con., brick and stone. $150,000.

Ill., Chicago — Temple — C. Hatzfield, archt., 7 South Dearborn St., opens bids about Dec. 1, 3 story, 91 x 112 ft., brick and terra cotta, Addison and Rita Sts., for Wrights Grove Lodge 779, c/o H. Reinbach, 1442 Belmont Ave. $300,000. Noted Sept. 22.

Ill., Delavan—High School—Bd. Educ. having plans prepared by Deal & Ginzel, archts., I. O. O. F. Bldg., Lincoln, 2 story, rein.-con., brick and stone high school and 88 x 141 ft. power house, 90 ft. stack. $150,000.

Ill., Elgin—Hospital—Larkin Home for Children, Larkin and Melrose Aves., plans 3 story, rein.-con., brick, stone and steel. $175,000. Architect not selected.

Ill., Elgin—Hotel—Citizens Hotel Co., c/o C. Ackermann, 470 Douglas Ave., plans 4 story brick, rein.-con. or steel frame. $300,000. Architect not selected.

Ill., Elgin—Theatre—R. Crocker, Star Theatre Bldg. plans 2 story, 66 x 185 ft., rein.-con., brick, steel and stone. $225,000. Architect not selected.

Ill., Freeport—Home—Estate of J. Emmert plans 2 story, Home for Aged, rein.-con., brick and stone. $200,000. Architect not selected.

Ill., Homer — High School—Bd. Educ. plans 2 story, rein.-con., brick and stone. $150,000. C. Babb, pres. Architect not selected.

Ill., Joliet—School—Bd. Educ. having plans prepared by C. W. Webster, archt., Cutting Bldg., 2 story, 96 x 100 ft. rein.-con., brick and stone. $150,000. J. F. Keel, clk.

Ill., Morris—School—Bd. Educ. plans 2 story, rein.-con., brick and stone. $150,000. A. G. Harrison, pres. Architect not selected.

Ill., Mt. Carroll—Dormitory—Frances Shimer School for Girls, c/o W. P. McKee, dean, plans 3 story dormitory. $150,000. Architect not selected.

Ill., Pana — Schools—Bd. Educ. having plans prepared by A. L. Pillsbury, archt., Bloomington, two 2 story, rein.-con., brick and stone. $150,000 each. E. L. White, pres. Noted Oct. 13.

Ill., Rogers Park — Theatre and Apartment—Newhouse & Bernham, archts., 4630 Prairie Ave., Chicago, making sketches and receive bids in spring, 4 story, 150 x 175 ft., rein.-con., brick and steel, Howard St. and Malvern Ave., for V. G. Seaver, c/o architect. $2,000,000.

Ill., Springfield—Hospital—County Medical Society plans 4 story rein.-con., brick and stone. $500,000. I. C. Taylor, chn. Architect not selected.

Ill., Tolono — High School—Bd. Educ. plans 2 story, rein.-con., brick and stone. $150,000. J. Martin, pres. Architect not selected.

Ill., Tuscola—School—Bd. Educ. having plans prepared by Leise & Ludwig, archts., Danville, 2 story, rein.-con., brick and stone. $150,000. L. C. Hines, pres.

Wis., Fond du Lac—City Hall—Plans 4 story, 900 x 200 ft., brick and steel. $250,000. A. M. Hunter, clk. Architect not selected.

Wis., Fond du Lac—Hotel—Wisconsin Hotel Co., c/o D. Sargent, genl. mgr., Palmer House, 29 South Main St., having plans prepared by N. S. Spencer & Son, archts., 37 West Van Buren St., Chicago, 8 story, 40 x 180 ft. and 40 x 80 ft. brick, concrete and steel, plain foundation, South Main St. $400,000.

Wis., Green Bay — High School — Bd. Educ. having plans prepared by Foeller, Schoeber Co., archts., 123 North Washington St., 4 story, 160 x 230 ft., brick and rein.-con. $500,000. A. W. Burton, secy.

Wis., Iola—High School—Bd. Educ. having plans prepared by E. Tough, archt., 24 East Mifflin St., Madison, 2 story, 60 x 190 ft., brick, rein.-con. and tile, Main St. $150,000.

Wis., Madison — Church, etc. — Calvary Lutheran Church, c/o A. Haentzchel, 707 West Dayton St., plans 2 or 3 story, 100 x 150 ft., brick, steel and stone. $200,000. Architect not selected.

Wis., Madison — Hospital — Bd. Regents, University of Wisconsin, having plans prepared by A. Peabody, archt., Capitol Bldg., 6 story, 150 x 250 ft., brick, steel and stone, Warren St. $1,200,000. M. E. McCaffery, secy.

Wis., Milwaukee—Club House—B. P. O. E. No. 46, 448 Jefferson St., receiving competitive sketches for 5 story, 132 x 160 ft., brick and concrete, plain foundation, Mason St. Cost between $500,000 and $600,000. Architect not selected. Noted Nov. 3.

Wis., Milwaukee—Hospital—City having plans prepared by C. E. Mallg, archt., City Hall, 2 story, 45 x 268 ft. brick and concrete addition to South View Hospital, plain foundation, Mitchell St. $160,000.

Wis., Milwaukee — Lodge — Columbia Lodge No. 11, Knights of Pythias, 538 7th St., plans 3 story, 60 x 100 ft. brick and concrete, plain foundation. Cost between $125,000 and $150,000. Architect not selected.

Wis., Milwaukee — School and Sisters Home—St. Rose Catholic Congregation, 3007 Sycamore St., plans 2 story, brick and concrete, plain foundation, 30th St. $200,000. P. Durnin, pastor. Architect to be selected soon.

Wis., Milwaukee—Store, Apartment and Office—Reitman & Straus Co., 97 Wisconsin St., having plans prepared by C. W. Valentine, archt., 405 Bway., 2 story, 96 x 118 ft., brick and tile, plain foundation, Maryland and Dawner Sts. $150,000.

Wis., Milwaukee—Synagogue—Beth Israel Congregation, 548 10th St., having preliminary plans prepared by Leiser & Holst, archts., 105 Wells St., 1 and 2 story, 67 x 117 ft., brick and stone, plain foundation, 10th and Lee Sts. $150,000.

Wis., Milwaukee—Theater and Business—Saxe Bros., 106 5th St. and O. Brachman, 425 East Water St., having preliminary plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 7 or 8 story, 150 x 200 ft., rein.-con. steel and brick, plain foundation, Grand Ave. and 6th St. $2,000,000. Noted May 12.

Wis., New London—Hotel—Central Wisconsin Hotel Co., 148 Main St., Menasha, plans 4 story, 60 x 190 ft., rein.-con. and steel. $200,000. Architect not selected.

Wis., Oregon—High School—Bd. Educ., c/o Secretary, having plans prepared by E. Tough, archt., 24 East Mifflin St., Madison, 2 story, 60 x 140 ft., brick, rein.-con., tile and stone, Main St. $150,000.

Wis., Phelps—High and Grade Schools—Bd. Educ., c/o K. M. Thompson, secy., having plans prepared by Claude & Starck, archts., Badger Annex, Madison, 2 story, 90 x 150 ft., brick and rein.-con. $150,000.

Wis., Platteville—School—St. Marys Congregation plans 3 story, brick, rein.-con. and tile. $150,000. F. J. Lillis, pastor. Architect not selected.

Wis., Pulaski—Hotel—H. J. Gajewski, (owner) Pulaski, and Smith & Reynolds, archts., Manitowoc, open bids about Nov. 25,

Buildings (Continued)

3 story, 76 x 150 ft. brick, rein.-con. and tile. $150,000. Noted Sept. 22.

Wis., Stevens Point—High School—Bd. Educ. plans 3 story 60 x 160 ft., rein.-con. and steel, Clark St. $155,000. J. M. Pfiffner, chn. Architect not selected.

Wis., Two Rivers — Theatre — Rivoli Amusement Co. having plans prepared 2 story, 150 x 160 ft., brick and rein.-con. $150,000. D. S. Colburn, pres. Private plans.

Ia., Cedar Rapids — High School—Bd. Educ. having plans prepared by B. Rugh, archt., 811 Security Bldg., 3 story, 120 x 240 ft., rein.-con., brick, tile and stone. $225,000. J. A. Motejl, secy.

Ia., Creston—Club—Knights of Columbus, c/o J. M. Hickey, chn. building com., plans 5 story, 108 x 120 ft., rein.-con. and brick, West Adams St. $200,000. Architect not selected.

Ia., Davenport—Station—Chicago, Milwaukee & St. Paul R.R., 80 East Jackson Blvd., Chicago, plans 4 story, brick, stone and steel, here. $800,000. C. F. Loweth, ch. engr. C. R. Rawson, c/o owner, archt.

Ia., Des Moines — Temple — Adelphia Lodge 509, c/o M. L. Patterson, 1211 West 22nd St., having plans prepared by Keffer & Jones, archt., 204 Masonic Temple Bldg., 2 story, rein.-con., brick, stone and steel. $155,000.

Ia., Iowa City—Club—Knights of Columbus, 117½ East College St., plans 2 story, brick, steel and stone. $150,000. W. H. Hart, secy. Architect not selected.

Ia., Ottumwa—Y. W. C. A. having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., Minneapolis, Minn., altering 4 story, rein.-con., brick, tile and stone. $150,000.

Ia., State Center—School—Bd. Educ. having plans prepared by H. E. Reimer, archt., Marshalltown, 3 story, rein.-con., brick and stone. $150,000.

Minn., Minneapolis—Church—First Baptist Church, 10th St. and Harmon Pl., hanving plans prepared by Lamoreaux & Thorshov, archts., 1028 Andrus Bldg., church, etc., 11th St. and Harmon Pl. $400,000.

Minn., Minneapolis—School—Bd. Educ. having plans prepared by E. H. Enger, archt., 305 City Hall, 2 story, rein.-con., brick and tile addition, 49th St. and Vincent Ave. S. $150,000. G. F. Womrath, business supt.

Minn., Stillwater—Hotel—Stillwater Hotel Co. plans 4 story rein.-con., brick, tile and stone. $175,000. W. H. Smithson, chn. building com. Architect not announced.

Kan., Atchinson—Academy—Mt. Scholastic Acedemy, 8th and Eccher Sts., having plans prepared by E. Brielmaier & Sons, archts., 6432 Bway., Milwaukee, Wis., 4 story, 57 x 300 ft., rein.-con., brick and stone. $650,000.

Kan., Leavenworth — High School—Bd. Educ. voted $450,000 bonds 2 story, brick, rein.-con. and stone. $450,000. M. E. Moore, supt. Architect not selected.

Kan., Salina — Memorial Hall—Having plans prepared by C. W. Shaver, archt., Salina, 4 story, brick, and rein.-con., stone trim. $300,000.

Kan., Topeka—Hotel—J. W. Renker, 822 Kansas Ave., having plans prepared by W. Wahlschlager, archt., 65 East Huron St., Chicago, 8 story 100 x 150 ft., rein.-con. and terra cotta. $700,000.

Kan., Wichita—Apartment—W. B. Barr, 517 North Topeka Ave., having plans prepared by J. Eberson, archt., 69 East Van Buren, Chicago, 2 story, V-shaped, brick and rein.-con., stone trim. $165,000.

Kan., Wichita — Temple — Sunflower Lodge 86, c/o W. H. McCain, secy., plans 5 story, 70 x 140 ft., brick, steel and rein.-con. $400,000. Architect not selected.

S. D., Sioux Falls—Gymnasium—Diocesan College, c/o Bishop of Sioux Falls, had plans prepared by E. H. Lundie, archt., 532 Endicott Bldg., St. Paul, Minn., 3 story, 60 x 90 ft. with two 2 story 40 x 70 ft. wings, rein.-con., brick, tile and stone. $150,000.

N. D., Fargo — Lodge—Masonic Order having plans prepared by Bertrand & Chamberlin, archts., 616 Northwestern Bank Bldg., Minneapolis, Minn., 2 or 3 story, brick, concrete and stone. $150,000.

Wyo., Cheyenne—Lodge—B. P. O. E. plan 5 story brick, 18th and Capitol Sts. $250,000. R. J. Hofman, exalted ruler. Architect not selected.

Mo., Cape Girardeau — School — State Teachers College having plans prepared by G. Study, archt., Arcade Bldg., St. Louis, 2 story, rein.-con., brick and stone. $150,000.

Mo., Columbia—Church and Dormitory—Missouri Methodist Assn. plans 2 story, rein.-con., stone and steel. $400,000. W. L. Halberstadt, pastor. Architect not selected.

Mo., Columbia—Science Hall—Stephens College, c/o A. Wood, pres., plans 3 story, rein.-con., brick and stone. $150,000. Architect not selected.

Mo., Kansas City — Store and Office—Lloyd & Medes, Reliance Bldg., having plans prepared by McKecknie & Trask, archts., Gloyd Bldg., 2 story, 50 x 120 ft., rein.-con., brick and stone, 9th and McGee Sts. $150,000.

Mo., Kirksville—School—Northeast Missouri State Teachers College, c/o J. J. Kirk, pres., having plans prepared by R. H. Sanneman, archt., Reserve Bank Bldg., 3 story, rein.-con., brick and stone. $150,000. Noted June 9.

Mo., Osceola—Hotel—G. E. Linn plans Socosa Hotel, concrete, on Osage Resort Grounds, near here. $250,000. Architect and engineer not selected.

Mo., St. Louis — Church — Sixth Church Christian Scientist, Garrison and Natl. Bridge Aves., having plans prepared by Wedemeyer & Nelson, archts., Wainwright Bldg., 2 story, 120 x 130 ft., brick, stone steel and terra cotta, Natl. Bridge and Prairie Aves. $250,000. H. M. Birschler, chn.

Mo., St. Louis—Hospital—St. Louis Childrens Hospital, 500 South Kingshighway, having plans prepared by Mauran, Russell & Crowell, archts., Chemical Bldg., 3 story, rein.-con., brick and stone. $175,000.

Okla., Checotah—Memorial—I. O. O. F., c/o A. T. Whitworth, secy., Carmen, having plans prepared by M. T. Hardin, archt., 904 North H St., Muskogee, 2 story, rein.-con., brick and stone, here. $175,000.

Okla., Frederick—High School—Bd. Educ. having plans prepared by Tonini & Bramblet, archts., Terminal Arcade Bldg., Oklahoma City, 2 story, rein.-con., brick and stone. $150,000. R. R. Simms, secy.

Okla., Oklahoma City—Hospital—Oklahoma County, c/o E. S. Butterfield, chn., plans 4 story, rein.-con., brick and stone. $2,000,000. Architect not selected.

Col., Boulder—High School—Election Nov. 22 $362,000 bonds high school for School Dist. 3. V. M. Smith, secy.

Utah, Salt Lake City — Club—B. P. O. E., 59 South State St., having plans prepared by Scott & Welch, archts., Dooley Bldg., 5 story, 165 x 185 ft., South Temple St. $300,000.

Ore., Portland — Mercantile—Meier & Frank, 5th and Morrison Sts., having plans prepared by Sutton & Whitney, archts., Lewis Bldg., 10 story, rein.-con., 13th, 14th, Everett and Flanders Sts. $1,000,000.

Cal., Azusa—Schools—Atrus Union High School Dist., c/o J. C. and W. H. Austin, archts., 1125 Baker-Detwiler Bldg., Los Angeles, plans group of high school buildings. $300,000 bonds sold.

Cal., Long Beach—Hotel—O. H. Hubbard, 1220 East Ocean Blvd., having plans prepared by J. and D. B. Parkinson, archts., 420 Title Insurance Bldg., Los Angeles, 7 story, 50 x 150 ft., rein.-con., Cedar St. and B'way. $400,000.

Cal., San Diego—High School—Bd. Educ., Guarantee Title Bldg., takes bids about Jan. 1, 2 story concrete, brick and tile, City Park. $300,000. T. C. Kistner, 307 Bancroft Bldg., archt.

Ont., Kitchener—School—School Bd. having plans prepared by W. Franklin, archt., c/o Bd. Educ., 10 room addition, brick. $150,000.

Ont., St. Thomas—Hospital—Voted $160,000 bonds for 3 story, 125 x 130 ft. brick and stone addition, Pearl St., for Hospital Bd. N. R. Darrach, Talbot St., archt. Noted Oct. 6.

BIDS DESIRED

Mass., Lawrence—High School—Dec. 15, by School Bd., 4 story, 37 x 115 ft. and 92 x 147 ft., brick and stone, plain foundation. $1,000,000. J. E. Allen, 283 Essex St., archt.

Conn., West Hartford — High School—School Comrs. receiving bids 2 story, 70 x 100 ft., brick, stone and steel, plain foun-New Britain Ave. $150,000. W. T. Marchant, 26 Pearl St., Hartford, archt. Noted Oct. 27.

N. Y., Fleischmanns—Hotel—H. Levinson, Pinewood Hotel, Lakewood, N. J., 4 story, 35 x 185 ft., brick, steel and stone, plain foundation, here. $175,000. Work will be done by separate contracts. D. S. Lang, 110 West 34th St., New York, archt. and engr.

N. Y., New York—Stores—J. Dillard, c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., Brooklyn, several 2 story, brick and steel, plain foundations, Southern Blvd., here. $200,000. Work will be done by separate contracts under supervision of architects.

N. Y., Thiells—Cottages—Dec. 6, by M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York, 8 cottages, (Q, R, S, T, U, V, W and X) and Service Building, Girls' Group, Letchworth Village, here. L. F. Pilcher, Capitol, Albany, state archt.; adv. this issue. Noted June 23.

N. J., Elizabeth — Clubhouse—Dec. 2, (change of date), by King & Campbell, archts. and engrs., 38 West 40th St., New York, 2 story, brick and stone addition, brick foundation, here, for B. P. O. E., 211 Broad St. $150,000. Noted Oct. 13.

W. Va., Clarksburg—Store and Office—Folie Bros., owners, and Colmboe & Pogue, archts., Empire Bldg., taking bids 2 story, 75 x 75 ft. $150,000. Noted Nov. 3.

Fla., Tallahassee—Capitol—Dec. 12, by Bd. State Institutions, two 3 story wings, concrete and steel. $250,000. H. J. Klutho, St. James Bldg., Jacksonville, archt. Noted Aug. 18.

Ky., Lexington—Church—Second Presbyterian Church taking bids 1 story, 60 x 100 ft., brick, stone and steel, plain foundation. $200,000. Cram & Ferguson, 20 Beacon St., Boston, Mass., archts.

Ky., Louisville—Church—A. C. Zoeller, receiving bids 2 story, 52 x 110 ft., rein.-con. and brick, concrete pile foundation, Cane Run Rd. $150,000. F. Erhart, Norton Bldg., archt.

O., Dayton—Hospital—Nov. 29, by Natl. Military Home, c/o C. W. Wadsworth, 3 story, brick, steel and concrete, plain foundation. $500,000. Schenck & Williams, 908 Mutual Home Bldg., archts.

O., Dayton—Schools—Dec. 2, by Bd. Educ., Mad River Twp., R.R. 17, four 1 and 2 story, brick schools. $175,000. W. R. Herby, 1109 U. B. Bldg., archt.

O., Dayton — Schools — Dec. 15, by Bd. Educ., 2 story, 8 room addition to Irving School and 2 story, 15 room addition to Patterson School, rein.-con. $150,000. W. M. Hunter, pres. Private plans. Noted Jan. 27.

O., Lakewood (Cleveland P. O.)—Market—Nov. 26, W. R. Powell, archt., Rose Bldg., Cleveland, 1 and 2 story, 78 x 281 ft., brick, steel and concrete, plain foundation, 111826 Detroit Ave., here, for Lakewood Market House Co. $200,000. Noted Nov. 10.

Mich., Detroit—Church—Dec. 1, by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., 2 story, 92 x 265 ft., brick, steel and stone, plain foundation, 12th St. and LaSalle Gardens, for St. Agnes Parish, c/o architects. $300,000. Noted Nov. 3.

Mich., Detroit—Office—Jan. 1, by a H. Gould & Sons, archts. and engrs., 610 Empire Bldg., 13 story, 93 x 160 ft. rein.-con., brick, steel, stone and terra cotta, plain foundation, Clifford and Columbia Sts., for United Brotherhood of M. of W. E. & R. S. L., 61 Putnam Ave. $1,250,000.

Mich., Detroit—School—Nov. 21, by Bd. Educ., 2 story, rein.-con., brick and steel addition, plain foundation, Grand River Ave. and West Grand Blvd. $200,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Buildings (Continued)

Mich., Detroit—School—Nov. 22, by Bd. Educ., 2 story, rein.-con., brick and steel addition, plain foundation, Ogden Ave. $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Mich., Grosse Pointe Park (Detroit P. O.)—School—Nov. 21, by A. F. Meininger, secy., School Dist. 1, Grosse Pointe Twp., 475 St. Clair Ave., 2 story, rein.-con., brick and steel, plain foundation, St. Paul and Beaconsfield Aves. $150,000. G. J. Haas, 1514 Kresge Bldg., Detroit, archt.

Mich., Saginaw — School — Dec. 7, by Cowles & Mutscheller, archts., Chase Blk., 3 story, 176 x 291 ft. rein.-con., brick and steel, Weadock St. S., for Bd. Educ. $850,000.

Ill., Peoria—School—Nov. 22, Bd. Educ. and Hewitt & Emerson, archts., Peoria Life Bldg., Harrison School, 2 story, rein.-con., brick and stone. $165,000. G. Mitchell, pres.

Kan., Salina—Hospital—Nov. 23, by C. W. Shaver, archt., Salina, 3 story, for St. Barnabas Hospital, c/o Bishop Sage, Christ Cathedral. $200,000. Noted Nov. 3.

Mo., St. Louis—Exchange—Nov. 22, by I. B. Timlin, archt., 314 North Bway., 2 story, 86 x 110 ft., rein.-con., brick and stone, 23rd and Locust Sts., for Southwestern Bell Telephone Co., c/o P. J. Crowley, secy., 314 North Bway. $150,000.

S. D., Huron—Court House and Jail—Dec. 14, Bd. Supervs. Beadle Co., c/o H. W. Gardner, aud., 3 story, 98 x 114 ft., rein.-con., brick, tile and stone, $300,000. W. E. Hulse & Co., 320 Grain Exch. Bldg., Sioux City, Ia., archts.

BIDS RECEIVED

Mass., Newton — High School—Bldg. Dept., 3 story, 57 x 241 ft. and 61 x 70 ft., brick and stone, plain foundation, Walnut St., from M. W. Ryan, 34 Fayette St., Cambridge, $213,000; F. G. Coburn, Old South Bldg., Boston, $228,000; J. W. Duff, Inc., 146 Summer St., Boston. $234,000. Noted Nov. 3.

N. Y., Schenectady—Schools—Bd. Contract & Supply, City Hall Annex opened bids Oct. 19, (1) Oneida St. School, (2) Riverside School, (3) Central Park School, from Feeney & Sheehan Constr. Co., 164 Montgomery St., Albany, (1) $176,500, (2) $199,000; Boland Constr. Co., Troy, associated with J. McDermott, 436 State St., Schenectady, (1) $241,900, (3) $343,000; Tifft Constr. Co., Inc., Iroquois Bldg., Buffalo, (1) $243,000; Hanrahan Bros., 336 Bwine Ave., (2) $196,000, (3) $333,700. Noted Oct. 13.

CONTRACTS AWARDED

Mass., Roxbury—(Boston P. O.)—Courthouse—Dept. Bldgs., 1 story, 78 x 166 ft., brick and stone, Morton St. at Forest Hills, to Coblo & Griffin, 46 Cornhill, Boston, $211,000. Noted Oct. 27.

N. Y., Brooklyn — Apartment—Argyle Apartments Corp., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., 4 story, brick steel and stone, plain foundation, Argyle Rd., by day labor. $210,000.

N. Y., Brooklyn — Hospital — Prospect Heights Hospital, 775 Washington Ave., 4 story, brick and stone addition, plain foundation, to W. P. Anderson, Forest Hills, $175,000.

N. Y., New York — Apartment—Alcas Realty Corp., c/o G. Nordham, archt. and engr., 18 West 34th St., 6 story, brick, steel and stone, plain foundation, Tremont Ave. and 178th St., by day labor. $750,000.

N. Y., New York—Apartment—Benson Realty Co., c/o C. Schaeffer, Jr., archt. and engr., 394 East 150th St., 5 story, 50 x 100 ft., brick, steel and stone, plain foundation, University Ave., by day labor. $200,000.

N. Y., New York—Apartment—M. Kaufman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 90 x 100 ft., brick, steel and stone, plain foundation, 180th St. and Audubon Ave., by day labor. $250,000.

N. Y., New York — Apartment — One Twenty-Two East 51st St., Inc., c/o D. Barber, archt. and engr., 101 Park Ave., 9 story, brick and stone, plain foundation, 122 East 51st St., to Smith & Leo, 103 Park Ave., $200,000.

N. Y., New York—Apartments—A. J. Schwartzler, 369 East 167th St., two 5 story, brick, steel and stone, plain foundations, Tudor Pl. near Walton Ave., by day labor. $150,000 each. C. B. Call, 81 East 125th St., archt. and engr.

N. Y., New York—Apartment—F. Starkman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 200 x 250 ft., brick, steel and stone, plain foundation, Stebbins Ave., by day labor $250,000.

N. Y., New York—Bank—Greenwich Savings Bank, 246 6th Ave., 1 story, brick, steel and stone, plain foundation, East 36th St., to M. Eidlitz, 33 East 42nd St. $200,000.

N. Y., New York—Office and Apartment—J. H. Scheier, 236 West 55th St., 6 story, 60 x 100 ft., brick, steel and stone, plain foundation, 241 West 54th St., by day labor. $250,000.

N. J., Atlantic City—Hotel—Shelburne Hotel Co., c/o Warren & Wetmore, archts. and engrs., 10 East 47th St., New York, altering and 8 story, 70 x 185 ft., brick, steel and stone addition, plain foundation, South Michigan Ave., here, to G. A. Fuller Co., Walnut St., Phila., $600,000.

N. J., East Orange—High School—Bd. Educ. 1 story, brick and stone, Winan St., to Salmond-Scrimshaw, 526 Elm St., Arlington, $200,000. Noted Oct. 6.

N. J., Newark—Infirmary—Eye and Ear Infirmary, 77 Central Ave., 4 story, brick, steel and stone addition, plain foundation, to E. M. Waldron Co., 27 Central Ave., $250,000.

N. J., Newark—Store—J. Hunt, archt. and engr., 30 North Michigan Ave., Chicago, 25 story, concrete, brick and steel addition, Market St., to G. A. Fuller Co., 949 Bway., New York, for L. Bamberger & Co. $2,000,000. Noted March 24.

Pa., Erie—Home—Dir. of Poor of Erie Co., 2 story, county home group, incl. administration, dining room, 2 cottages, power plant, storage and laundry buildings, to H. J. Conrath, Ariel Bldg. $350,000.

Pa., Homestead — Church—St. Anns Church, 1 story, 4th and Ann Sts., to Duquesne Constr. Co., Bessemer Bldg., Pittsburgh, $200,000. Noted May 12.

Pa., Phila. — Hospital—Methodist Hospital, Broad and Ritner Sts., 6 story, 90 x 123 ft., rein.-con., brick and steel, plain foundation, to Crampa & Co., Dencla Bldg., $300,000.

D. C., Washington—High School—Dist. Comrs., 509 Dist. Bldg., New Eastern High School, 3 story, to G. E. Wyne, Home Life Bldg., $959,700. Noted Nov. 3.

W. Va., Beckley—Hotel—Beckley Hotel Co., 4 story, 50 x 90 ft., brick and stone, to J. O. Freeman, Beckley. $150,000.

Ky., Anchorage—School—For 1 story, 55 x 104 ft. brick and stucco, Main St., to H. Frank, Anchorage, $250,000.

Ky., Pineville — Church—Presbyterian Church will build a 2 story, 60 x 105 ft., rein.-con. and brick, concrete pile foundation. $160,000. Work will be done by day labor under supervision L. C. Powers, Pineville. T. J. Nolan, 209 Courier-Journal Bldg., Louisville, archt.

Ky., Shelbyville—Hospital—Masonic Lodge, 1 story, 36 x 82 ft., rein.-con. and brick, concrete pile foundation, Main St., to T. F. Allen, Shelbyville, $240,000.

O., Dayton—Apartment—E. Woodward Co., 402 Mer. Lib., Cincinnati, 6 story, brick, rein.-con., stone and terra cotta, Far Hills Ave., here, to F. J. Hughes Co., 406 U. B. Bldg., $150,000. Noted Oct. 6.

Ind., New Albany—Gymnasium—New Albany Council 2 story, 70 x 100 ft., steel and brick, concrete pile foundation, 9th and Main Sts., to A. Day & Son, New Albany, $160,000.

Mich., Detroit—Church—North Woodward Ave. Methodist Episcopal Church, c/o C. B. Allen, 638 Hazelwood Ave., 2 story, rein.-con., brick and steel, plain foundation, Woodward Ave., mason work to Bryant & Detwiler, 2336 Dime Bank Bldg. Total $500,000. Noted Aug. 25.

Mich., Detroit—Office—M. Basso, 517 Free Press Bldg., 8 story, rein.-con., brick and steel, plain foundation, Woodward and Horton Aves., structural steel work, to Whitehead & Kales, Beecher Ave. and Michigan Central Ry. Total $200,000. Noted Nov. 3.

Mich., Flint—School—Bd. Educ., 2 story, rein.-con., brick, steel and stone, plain foundation, to W. E. Wood & Co., 1805 Ford Bldg., Detroit, $350,000. Noted Sept. 29.

Mich., Springwells — Bank — Springwells State Bank, 2 story, brick, steel and stone, plain foundation, Michigan Ave., structural steel, to Roura Iron Wks., 11700 Russell St. Total $150,000. Noted Oct. 13.

Ill., Champagne — Apartment—F. W. North & Co., Robinson Bldg., 5 story, rein.-con., brick and stone, to North-Raffin Constr. Co., 914 Chestnut St., Terre Haute, Ind., $250,000. Noted Nov. 3.

Ill., Champaign — Horticultural—Illinois State University, 1 and 2 story, 50 x 125 ft., rein.-con. and brick, to English Bros., Church and Randolph Sts., $200,000. Noted Aug. 25.

Ill., Chicago—Apartment—A. L. Himmelblau, 179 West Washington St., 3 story, 100 x 120 ft., rein.-con., brick and steel, 7620-28 East Lake Terrace, to Douglas Constr. Co., 3140 West 15th St., $175,000.

Ill., Chicago—Apartment—M. J. Goldstein, 3310 West Polk St., 3 story, 90 x 92 ft., rein.-con., brick and steel, 775-60 East Lake Terrace, to H. Entin, 2209 Cortez St., $150,000.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., 3 story, 157 x 276 ft., rein.-con., brick and steel to S. Nelson, 3050 Augusta St., $600,000. Noted Sept. 8.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., 3 story, 90 x 160 ft., rein.-con., brick and steel, 1727-39 Bellow Ave., to A. E. Anderson Co., 19 South La Salle St., $300,000.

Ill., Chicago — School—Bd. Educ., 650 Clark St., 3 story, rein.-con., brick and steel, 7336-52 Chapell Ave., to Carnegie Co., 189 West Madison St., $400,000.

Ill., Rockton—High School—Bd. Educ., 2 story, 114 x 162 ft., rein.-con., brick and stone, to R. P. Beckstrom, 208 Trust Bldg., Rockford, $150,000. Noted Oct. 20.

Ill., Sterling—School—Bd. Educ. 2 story, 80 x 200 ft., rein.-con., brick and stone, to Smith Bros., Sterling, $150,000. Noted Oct. 20.

Wis., Green Bay — Reformatory — State Bd. Control, Capitol Bldg., Madison, 2 story, 64 x 286 ft., steel and concrete, to Appleton Constr. Co., Odd Fellows Bldg., Appleton, $150,000.

Kan., Parsons—Hospital—Missouri, Kansas & Texas R.R., 3 story, brick and rein.-con., stone trim, to Collins Bros., Rialto Bldg., $155,602. Noted Oct. 20.

Mo., Mexico—Hotel Hoxsey Hotel Co., 5 story, 71 x 110 ft., rein.-con. and brick addition, by day labor under supervision of B. C. Elliott, archt., 116 Jefferson Ave. $200,000. Noted Oct. 20.

Mo., Springfield — High Schools — Bd. Educ., c/o E. Hoffman, secy., 3 story, 60 x 172 ft., brick and stone, by day labor. $175,000. Hawkins & Hoener, McDaniels Bldg., archts. Noted April 14.

Tex., Austin — Dormitory—Scottish Rite Assn., South Hardwood and Gabell Sts., Dallas, 3 story, 179 x 248 ft., rein.-con., brick, terra cotta and stone, at University of Texas, Whitis Ave. and 27th St., here, to H. M. Greene Co., c/o W. H. Folberg, Whitis Ave. and 27th St., $540,000.

Cal., Los Angeles—Schools—Bd. Educ., 2 and 1 story, 81 x 91 ft., 60 x 121 ft., and 60 x 107 ft. main building, cafeteria and manual training buildings, rein.-con., brick and stone, 60th and Vermont Sts., to Bavin & Burch, 173 East Jefferson St., $270,240. Noted Nov. 3.

Federal Government Work

PROPOSED WORK

Mass., Boston—Substation, etc.—Spec. 4550—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans substation and distribution system, at Naval drydock, here.

R. I., Newport—Dredging—Spec. 4552—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging Goat Island, here.

N. Y., Brooklyn—Alterations—Spec. 4554—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans altering contagious disease buildings, here.

Federal Government Work (Continued)

Va., Norfolk — Dredging—Spec. 4553—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging, here.

Fla., Key West—Distilling Plant—Spec. 4546—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans distilling plant, here.

BIDS DESIRED

Va., Norfolk—Refrigerating Plant, etc.—Dec. 2, Treas. Dept., Wash., D. C., electric elevators, sterilizers, hydro-therapeutic equipment, ice making and refrigerating plant in main hospital building, Tanner's Creek site, here. J. A. Wetmore, acting superv. archt.

Va., Yorktown—Water Supply System—Spec. 4514—Nov. 30, Bureau Yards & Docks, Navy Dept., Wash., D. C., water supply system, Naval Fuel Depot, here; adv. this issue. Noted Sept. 22.

O., Findlay—Mailing Vestibule, etc.—Nov. 25, Treas. Dept., Wash., D. C., mailing vestibule, new workroom, etc., in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Mont., Savage — Structures — Dec. 29, U. S. Recl. Serv., structures on Main Canal, Main Canal Extension and Laterals on Lower Yellowstone Project, Montana-North Dakota. A. P. Davis, dir.; adv. this issue.

Tex., Galveston—Riprap and Breakwater—Dec. 1, Treas. Dept., Wash., D. C., riprap and pile breakwater, at U. S. Quarantine Station, here. J. A. Wetmore, acting superv. archt.

Col., Denver—Road—Dec. 1, by A. S. Peck, dist. forester, Federal Bldg., 13 mi. road from Echo Lake to Mt. Evans, Mt. Evans Natl. Forest west of here. $300,000.

Col., Denver—Valve—Dec. 28, by U. S. Recl. Serv., one 36 in. balanced needle valve for Shoshone Dam, Shoshone Project, Wyo. A. P. Davis, dir.; adv. this issue.

Wash., Walla Walla—Mechanical Equipment—Nov. 30 by Treas. Dept., Wash., D. C., mechanical equipment in U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt. Noted Oct. 13.

BIDS RECEIVED

Cal., Mare Island—Remodeling Barracks—Spec. 4489—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling barracks, Building 53, Navy Yard Marine Reservation, here, (1) work complete from J. Pringle, 2364 22nd Ave., San Francisco, (1) $14,154 (2) $14,866 (3) $17,000, (100 days); G. A. Box, First Bldg., San Francisco, (1) $14,238 (2) $14,870 (3) $16,355 (100 days); Lange & Bergstrom, Sharon Bldg., San Francisco, (1) $14,900 (2) $15,150 (3) $16,200 (100 days). Noted Oct. 6.

CONTRACTS AWARDED

Mass., North Truro—Alterations and Additions—Spec. 4532—Bureau Yards & Docks, Navy Dept., Wash., D. C., at naval station, here, to McCarron & Shepard Co., Main St., Chatham, $1,550 (30 days). Noted Nov. 10.

W. Va., South Charleston—Electric Cable System—Spec. 4537—Bureau Yards & Docks, Navy Dept., Wash., D. C., electric cable system, at Naval Ordnance Plant, here, to Greenwood Eng. Co., 407 Stock Exch. Bldg., Phila., Pa., $82,022 (120 days). Noted Nov. 3.

Cal., San Diego—Foundations—Spec. 4528—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete pile foundations for dispensary and post exchange building, at Marine Corps Base, to Ross Constr. Co., 935 Forum Bldg., Sacramento, $16,800 (85 days). Noted Oct. 6.

FEDERAL POWER COMMISSION

Application for licenses and permits.

Applications

255. Southern Sierra Power Co., c/o W. L. Huber, 1st Natl. Bank Bldg., San Francisco, Cal.—Wants license for 25 mi. transmission line from line of Southern Sierras Power Co. to Gold Mountain Mine.

256. M. Terzich, Sonora, Cal.—Wants license to divert Eagle Creek through flume to small power wheel in Stanislaus Natl. Forest, Cal., to develop 8 hp.

BOULEVARD—LONG ISLAND CITY, N. Y.

Bids were received (lowest 3) by M. E. Connolly, pres., Queens Boro., Oct. 18, for improving Jamaica Bay Blvd., from (A) Smith, Hauser & MacIsaacs, Inc., 18 East 41st St. (awarded contract): (B) Raymond Concrete Pile Co., 90 West St., (C) G. Colon & Co., 81 East 125th St. Contractors all of New York City. The unit bids were as follows:

	A	B	C
14,300 cu.yd. concrete sidewalks, etc.	$24.20	$16.50	$20.00
14,980 cu.yd. concrete in beams	25.25	19.85	25.00
4,500 cu.yd. concrete in abutments	24.05	31.50	28.30
1,060 cu.yd. concrete in railroad area	13.75	10.30	30.00
1,190 cu.yd. concrete in pile bracing	37.25	34.20	40.00
132,000 lin. ft. 24 in. concrete piles	5.35	9.00	3.00
181,000 lin. ft. 18 in. concrete piles	3.69	5.24	2.50
191,000 lin. ft. 18 in. concrete piles	3.83	5.24	5.00
1,120 cu.yd. concrete sidewalks	28.40	21.10	40.00
750 cu.yd. concrete fence	90.50	34.30	50.00
4,500 tons steel (reinforcing)	90.30	82.30	109.00
385 tons steel (structural)	229.90	169.00	100.00
27 tons steel (tie rods)	148.85	125.00	300.00
119 tons c. i. rockers	329.50	135.00	300.00
175 cu.yd. broken stone	5.45	5.00	10.00
17,000 ft. b. m. timber platform	127.00	120.00	250.00
12,200 ft. b. m. creosoted timber	213.35	164.00	200.00
8,400 ft. b. m. creosoted timber	171.20	200.00	225.00
299,200 ft. b. m. creosoted timber	119.30	150.00	130.00
76 inlet basins	30.00	40.00	300.00
675 c. i. strainers	.40	.25	1.00
400 lin. ft. vitrified pipe	.48	.40	10.25
135 cu.yd. concrete in abutments	21.20	30.00	38.00
24,800 lin. ft. creosoted piles	1.02	1.15	2.00
9,600 lin. ft. creosoted piles	1.11	1.20	2.50
3,200 lin. ft. creosoted fender piles	1.16	1.00	2.00
16,500 ft. untreated spruce piles	.72	.89	1.50
Extended totals	$2,869,298	$2,901,172	$3,112,934

257. J. G. Galvin, c/o M. D. Leehey, 620 Alaska Bldg., Seattle, Wash.—Wants permit to develop power on Aarons Creek, at head of Blake Channel, on mainland east of Wrangell Island and 22.5 mi. from Wrangell, Alaska. Project includes, dam 100 ft. high, conduit and power house.

258. Southern California Edison Co., Edison Bldg., Los Angeles, Cal.—Wants permit for dam and power house at Boulder Canyon, and at Pyramid Canyon, in Colorado River, Mohave Co., Ariz., and Clark Co., Nev.

259. Ft. Klamath Meadows Co., Klamath Falls, Ore.—Wants permit to develop power, here. Project includes pipe-line, flume and ditch to generating plant, Fort Klamath Meadows, Klamath Co., Ore.

260. San Joaquin Light and Power Co., 740 Broadway, Los Angeles, Cal.—Wants permit to develop power on main stream of South Fork of Merced River, Mariposa Co., Cal. Project includes large reservoir, 3 conduits, 2 diversion dams, 3 power houses and 1 dam.

Miscellaneous

PROPOSED WORK

Parks, etc.—Winston-Salem, N. C.—Voted $100,000 bonds for parks and playgrounds. J. G. Haynes, mayor. Noted Sept. 22.

Pier, etc. — Norfolk, Va. — Election in January to vote on $3,800,000 bonds for following work, pier and sheds, 500,000 sq.ft. warehouse space, $2,550,000, two open pier berths, $360,000, grain elevator, 750,000 bu. capacity, $650,000, berth serving grain elevator, $250,000. J. C. Rue, city engr.

Jetties—Ft. Lauderdale, Fla.—Plans two 300 ft. jetties into Atlantic, with 12-14 ft. channel, 200 ft. wide, 25,000 cu.yd. sand excav. $80,000. J. Hinton, chn. Chamber Commerce, in charge H. Loennecke and assistants, c/o Seaboard Dredging Co., Durkee Bldg., Jacksonville, engrs.

Docks, Warehouses, etc.—Miami, Fla.—Voted $300,000 bonds for 2 docks, 2 warehouses and railway tracks, etc., 100,000 cu.yd. excav. C. W. Murray, city engr.

Shed — New Orleans, La. — Bd. Port Cmrs. having plans prepared and soon takes bids for new galvanized iron shed, Congress St., also ratproofing approaches. $50,000. H. M. Gallagher, ch. engr.

Stadium — Nashville, Tenn. — Vanderbilt University with aid of Alumni Assn. and Nashville Chamber of Commerce plan stadium for athletic field. $150,000. J. H. Kirkland, chancellor of University. Engineer not selected.

Signal System, etc.—Dayton, O.—Plans new cables and boxes for fire and police signal system, also brick building to house switchboards. $200,000. F. E. Eichelberger, city mgr.

Grain Elevator—Perdueville (Paxton P. O.), Ill.—Carson Elevator Co. plans reinforced grain elevator, 50,000 bu. capacity. $40,000. J. A. Kemp, mgr. Architect not selected.

Derricks, etc. — Detroit, Mich. — J. S. Whitcomb Constr. Co., 525 Woodward Ave., in market for derricks with boom turning attachment, three-drum hoisting engine, one ¾ yd. heavy duty clamshell, one 4 in. centrifugal pump and steel sheet piling.

Greenhouse—Burlington, Ia.—Bock Nursery, Sunnyside Ave., making plans 130 x 240 ft. glass and steel greenhouse. $30,000. H. Bock, mgr. Private plans.

Dock—Osceola, Mo.—Osage Resort Co. plans dock and boat house, on Osage River. $50,000. G. E. Linn, mgr. Engineer not selected.

Hog Barn—Sedalia, Mo.—State Fair Bd., c/o E. G. Bylander, secy., Sedalia, having plans prepared by T. W. Bast, archt., Sedalia, 1 story, on fair grounds. $250,000. G. O. Stanley, Sedalia, engr. Noted Sept. 22.

Lighting System—Brodhagen, Ont.—Plans extension of power line, from here to Dublin, $30,000. Address J. Jordan, Dublin.

Incinerator—Chatham, Ont.—Voted $50,000 bonds for incinerator. Prices wanted on all materials. Noted Nov. 3.

Electric Lighting and Power System—Dutton, Ont.—Dunwich Twp. plans electric lighting and power distribution system. $50,000. J. N. Wilson, 90 University Ave., Toronto, engr.

Ornamental Lighting System — London, Ont. — Utilities Comrs., plan ornamental street lighting system. $60,000. E. V. Buchanan, Hydro Bldg., engr. Prices wanted on posts, lamps and general equipment.

BIDS DESIRED

Heating and Plumbing System—Rochester, N. Y.—Nov. 30, by C. L. Cadle, supt. Pub. Wks., Capitol, Albany, heating system in terminal, Contr. 230 H; plumbing system, Contr. 230 P.

Ornamental Lights—Long Branch, N. J.—Nov. 29, by Bd. City Comrs., City Hall, ornamental lights on certain streets. E. F. Lawyer, city clk.; adv. this issue.

Snow Loader — Philadelphia, Pa.—Nov. 22, by F. H. Caven, dir. Pub. Wks., power snow loader, 32 in. wide, convey with snow plow, gas engine driven, 25 hp. F. C. Dunlap, City Hall, engr.

Coal Trestle—Orient, O.—Nov. 23, by Dept. Pub. Welfare, Oak and 9th Sts., Columbus, coal trestle and railroad siding, at Institution for Feeble Minded, here. $30,000. H. M. Seabright, engr.

Miscellaneous (Continued)

Ornamental Lighting System—Oshkosh, Wis.—Nov. 21, by W. F. Porath, chn. Bd. Pub. Wks., ornamental lighting system on down town streets. $60,000. W. A. Baehr, 122 South Michigan Ave., Chicago, engr. Noted Dec. 9.

Caterpillar Tractor — Virginia, Minn.—Nov. 22, by city, one 5 ton caterpillar tractor with combination sidewalk and street snow plow attachments. E. F. Johnson, city engr.

Tunnel—Houston, Tex.—City and Southern Pacific Ry., Southern Pacific Bldg., receiving bids tunnel on Main St. $250,000. J. C. McVea, City Hall, engr.

BIDS RECEIVED

Asphaltic Cement, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro. Municipal Bldg., opened bids Nov. 10, furnishing and delivering 300 ton asphaltic cement, from New York Trap Rock Corp., 101 Park Ave., $5,055; 1,000 cu.yd. 1½ in. and 500 cuyd. 2 in. broken trap rock stone, from Barrett Co., 17 Battery Pl., $26.82 per ton, total $670; 25 ton paving pitch, from Warner Quinlan Co., 79 Wall St., $27.75, $8,325. Noted Nov. 3.

Grade Separation—Dearborn, Mich.—For grade separation to carry Telegraph Rd. under Michigan Central R.R. tracks, from G. F. Bristol, 119 Winona Ave., Highland Park, $47,491; Worswick Bros., 410 Hodgens Bldg., Detroit, $49,491; R. I. Oakley, 521 Detroit Savings Bank Bldg., Detroit, $50,639. Noted Oct. 13.

CONTRACTS AWARDED

Lamp Posts—North Bergen (Weehawken P. O.), N. J.—Hudson Co. Blvd. Comn., Jersey City, 132 lamp posts on 3 mi. Hudson Blvd., to W. Coleman, 29 Willow Court, Jersey City, $15,000. Noted Nov. 3.

Wheels and generators—Charlotte, N. C.—Southern Power Co., c/o W. S. Lee, vice-pres. and ch. engr., 511-5th Ave., New York, wheels and generators for addition to present plant at Great Falls, S. C., known as Great Falls Power House 2, 3 units, each 18,750 kva. capacity, also new installation at point 12 mi. from here, known as Mountain Island Station, four 18,750 kva. units, wheels to S. Morgan Smith Co., York, Pa., generators to Allis Chalmers Co., West Allis St., Milwaukee, Wis.

Paving Blocks—Detroit, Mich.—Street Ry. Comn., Murphy Bldg., 630,000 paving blocks to F. B. Holmes Co., 697 York St., $36.80 per M. Noted Nov. 10.

Subway — Detroit, Mich. — For subway and approaches at Military Ave. under New York Central R.R. and Wabash R.R. tracks, to W. E. Lennane, 2631 Woodward Ave., $110,984. Noted Nov. 3.

Flood Protection Works, etc.—Whiting, Kan.—Straight Creek, D. D., c/o C. E. Schrader, secy., shortening and straightening stream, 4,000 acres, to W. M. Spencer, Spring Branch Rd., Independence, Mo., $36,000. Noted Oct. 6.

Foundation, etc. — Minneapolis, Minn.—Asbury Hospital Assn., c/o R. W. Leach, member bd. trustees, 1224 First Natl.-Soo Line Bldg., excavation, foundation and first floor slab, for 3 story, 48 x 280 ft., rein.-con., stone and brick addition to hospital and nurses' home, at 914 Elliot Ave., to J. Leck Co., 316 South 7th St., $30,000. Bids on superstructure later. Noted Feb. 24 under Buildings.

Oil Storage Tanks—Healdton, Okla.—clair Crude Oil Purchasing Co., Tulsa, and New York, fabrication and erection eleven $80,000 bbl. oil storage tanks, to Phoenix Iron Wks. Co., Meadville, Pa.

Oil Storage Tanks — Healdton, Okla.—Sinclair Crude Oil Purchasing Co., Tulsa and New York, fabrication and erection four $55,000 bbl. oil storage tanks, to Phoenix Iron Wks. Co., Meadville, Pa.

Bulkheads—Portland, Ore.—Inman Poulson Lumber Co., foot of East Caruthers St., bulkheads and shipping wharves by day labor. $90,000. H. L. Gilbert, Couch Bldg., engr.

Electric Power and Lighting System—St. Thomas, Ont.—Yarmouth Twp., building hydro electric system for power and lighting, in Union, Sparta and Glanworth, to Ontario Hydro Comn., University Ave., Toronto, $115,000.

Our Correspondents

are picked men. Applications are continually being received from all parts of the United States and Canada, and from these the best are accepted. Some of our Construction News correspondents have been with us for years, and one or two new ones are "put on" every week. One of our biggest jobs is the upkeep of our Correspondent Staff.

It ought to be thoroughly understood by engineers, contractors, material men, and by all others who make constant use of these pages, that

every item we publish is verified

This essential fact cannot be too positively stated, because *Engineering News-Record* is spending much money and more effort to keep these pages as clear as possible of error and to render its readers

a reliable business-getting service

Our correspondents are not lightly selected. Before appointing a new man we send him a set of printed instructions and sample blanks and advise him to digest this literature thoroughly before writing us again. Those who stand this test, who after studying the job before them still believe they are sufficiently qualified to serve us, are promptly put to work.

Every report sent in by a correspondent gives the source of his information, and as much detail as may be available. If in the opinion of our office force there is the slightest question as to authenticity, or if essential details are omitted, the report is returned with a notation on the back of it. We are in continual communication with our correspondents, and they are imbued with the spirit of

our two watchwords—accuracy and timeliness

When an important item of business information is both accurate and timely it has another quality which embraces the two just named, and it is this third and comprehensive quality which we aim to achieve in these pages—

Usefulness